

FW: Blurb about RSTBC

Wednesday, April 17, 2019
2:27 PM

Subject	FW: Blurb about RSTBC
From	Trent, Tennessee FLNR:EX
To	Hawkings, John FLNR:EX
Sent	Tuesday, August 22, 2017 3:49 PM

I took the liberty of writing this at the request of Cascade several weeks ago. Concerns? Originally, forest recreation management on Crown lands was managed by the Forest Service and mostly consisted of rustic backcountry camping areas developed in association with timber harvesting and road building. This program was the core of the provincial recreation program outside parks in BC for many decades. Through the 1990's and 2000's as public demand increased for a greater diversity of public recreation facilities on crown lands the forest service focus began to explore development of trails and other facilities. The recreation program was reinvented in 2006 and was incorporated into the Ministry of Tourism Culture and the Arts with a strong focus on development of market ready tourism products adjacent communities. While the recreation sites and trails BC branch was reincorporated back into the Forests Lands and Natural Resource Operations Ministry in 2010, the focus on providing world class opportunities for all users remains. With a focus of service to communities, integrating resource operations and rural economic development the RSTBC branch has emerged from its rustic backcountry roots into a program that delivers on a vision of world class recreation opportunities for communities across BC.

Tennessee Trent - Manager, Trails

Recreation Sites and Trails BC

Sea to Sky Office

101-42000 Loggers Lane

Squamish, BC

V8B 0H3

604.898.2194 office

tennessee.trent@gov.bc.ca

From: Trent, Tennessee FLNR:EX

Sent: Thursday, June 29, 2017 11:36 AM

To: 'Dave Williamson'

Subject: RE: Blurb about RSTBC

You can cite me if you like. If you think it better not to, I don't really care.

They might be concerned based on some of the rail trail challenges we're experiencing there too?

Tennessee Trent - Manager, Trails

Recreation Sites and Trails BC

Sea to Sky Office

101-42000 Loggers Lane

Squamish, BC

V8B 0H3

604.898.2194 office

tennessee.trent@gov.bc.ca

From: Dave Williamson [<mailto:dwilliamson@cerg.ca>]

Sent: Thursday, June 29, 2017 11:28 AM

To: Trent, Tennessee FLNR:EX

Subject: RE: Blurb about RSTBC

Tennessee,

I want to include a description of the new improved RSTBC in the Regional District of Kootenay Boundary Trails White Paper that we are producing as Phase 1 of the master trails planning process. For some reason they are nervous about partnering with RSTBC as the initiative moves forward and they have asked us to include a risk assessment in the report. I think their anxiety may stem from past experience with the old Recreation Section.

Cheers,

DAVE WILLIAMSON | B.E.S. | Q.E.P. | Principal

Cascade Environmental Resource Group Ltd.
Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1
TEL: 604 938-1949 | FAX: 604 938-1247 | ☎ ☎
WHISTLER/SQUAMISH, BC
dwilliamson@cerg.ca | www.cerg.ca

From: Trent, Tennessee FLNR:EX [<mailto:Tennessee.Trent@gov.bc.ca>]

Sent: June 29, 2017 11:07 AM

To: Dave Williamson <dwilliamson@cerg.ca>

Subject: RE: Blurb about RSTBC

Where do you intend to use this?

Tennessee Trent - Manager, Trails

Recreation Sites and Trails BC

Sea to Sky Office

101-42000 Loggers Lane

Squamish, BC

V8B 0H3

604.898.2194 office

tennessee.trent@gov.bc.ca

From: Dave Williamson [<mailto:dwilliamson@cerg.ca>]

Sent: Thursday, June 29, 2017 11:06 AM

To: Trent, Tennessee FLNR:EX

Subject: RE: Blurb about RSTBC

Excellent. Thanks Tennessee. Would you like to be cited or would you prefer not to be?

DAVE WILLIAMSON | B.E.S. | Q.E.P. | Principal

Cascade Environmental Resource Group Ltd.

Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1

TEL: 604 938-1949 | FAX: 604 938-1247 | ☎ ☎

WHISTLER/SQUAMISH, BC

dwilliamson@cerg.ca | www.cerg.ca

From: Trent, Tennessee FLNR:EX [<mailto:Tennessee.Trent@gov.bc.ca>]

Sent: June 29, 2017 9:19 AM

To: Dave Williamson <dwilliamson@cerg.ca>

Subject: RE: Blurb about RSTBC

See below.

Tennessee Trent - Manager, Trails

Recreation Sites and Trails BC

Sea to Sky Office

101-42000 Loggers Lane

Squamish, BC

V8B 0H3

604.898.2194 office

tennessee.trent@gov.bc.ca

From: Dave Williamson [<mailto:dwilliamson@cerg.ca>]

Sent: Wednesday, June 14, 2017 1:27 PM

To: Trent, Tennessee FLNR:EX

Subject: Blurb about RSTBC

Tennessee,

I have written a brief commentary on the old Forestry Recreation and the new Rec Sites and Trails.

Can you give it a quick read and let me know if it is correct?

Originally, forest recreation management on Crown lands was managed by the Forest Service and mostly consisted of rustic backcountry camping areas developed in association with timber harvesting and road building. This program was the core of the provincial recreation program outside parks in BC for many decades. Through the 1990's and 2000's as public demand increased for a greater diversity of public recreation facilities on crown lands the forest service focus began to explore development of trails and other facilities. The recreation program was reinvented in 2006 and was incorporated into the Ministry of Tourism Culture and the Arts with a strong focus on development of market ready tourism products adjacent communities. While the recreation sites and trails BC branch was reincorporated back into the Forests Lands and Natural Resource Operations Ministry in 2010, the focus on providing world class opportunities for all users remains. With a focus of service to communities, integrating resource operations and rural economic development the RSTBC branch has emerged from its rustic backcountry roots into a program that delivers on a vision of world class recreation opportunities for communities across BC.

"This may be a legacy of the old organizational structure whereby recreation officers were under

control of the Ministry of Forests and subordinate to the goals and objectives of the forest industry. Trails establishment tended to lag behind the rising use and popularity, especially with respect to mountain bikes and ATVs. The organization was more oriented towards establishing and managing recreation sites than trails. Under Forest Renewals BC, from 1994-2002 significant efforts were directed towards trails and recreation sites. However, with the demise of the program and resulting cuts in funding, much of the infrastructure was neglected and in the case of trails the regional districts inherited the maintenance financial headaches associated with unmanaged trails. Under the current structure, BC Recreation Sites and Trails (RSTBC) operates under the Integrated Resource Operation Division within FLNRO. This allows RSTBC to consider tourism and associated socio-economic values as part of its mandate. While this shift may appear to be of minor nature, it has resulted in a significant shift in the operational direction of RSTBC.”

Feel free to edit as needed.


Thanks in advance,

DAVE WILLIAMSON | B.E.S. | Q.E.P. | Principal
Cascade Environmental Resource Group Ltd.
Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1
TEL: 604 938-1949 | FAX: 604 938-1247 | **s.22**
WHISTLER/SQUAMISH, BC
dwilliamson@cerg.ca | www.cerg.ca

RDKB - Phase 1 Report and Proposal/Scope for project

Wednesday, April 17, 2019

2:16 PM

Subject	RDKB - Phase 1 Report and Proposal/Scope for project
From	Dave Williamson
To	Hawkings, John FLNR:EX
Cc	Trent, Tennessee FLNR:EX; Todd Hellinga; Roly Russell (RDKB) (rrussell@rdkb.com); XT:Andison, Mark Kootenay Boundary Regional District EAO:IN
Sent	Tuesday, April 10, 2018 1:33 PM
Attachments	 160909_RD KB_Bound...

John/Tennessee,

As per our conversation earlier today, please find attached a copy of the proposal for the Boundary Trails Master Plan. The Phase 1 Analysis and Review Report is too large to email, but I will send you a sharing link to our dropbox so you can download.

Once you get a chance to look over the documents, we can get together at your convenience next week to discuss the next phases.

Cheers,

DAVE WILLIAMSON | B.E.S. | Q.E.P. | Principal

Cascade Environmental Resource Group Ltd.

Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1

TEL: 604 938-1949 | FAX: 604 938-1247 | s.22 |

WHISTLER/SQUAMISH, BC / dwilliamson@cerg.ca | www.cerg.ca

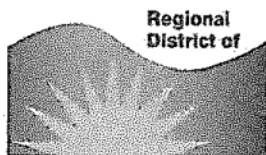


CASCADE ENVIRONMENTAL
RESOURCE GROUP LTD.

Response to Request for Proposals Boundary Recreational Trails Masters Plan



Prepared for:



Kootenay Boundary

Regional District of Kootenay Boundary
843 Rossland Avenue
Trail, BC V1R 4S8

Prepared by:

Cascade Environmental Resource Group Ltd.
Unit 3 – 1005 Alpha Lake Road
Whistler, BC
V0N 1B1

File No.: 777-01-01

Date: September 9, 2016

www.cascade-environmental.ca

WHISTLER: UNIT 3 - 1005 ALPHA LAKE ROAD WHISTLER BC CANADA V0N 1B1 TEL 604.938.1949 FAX 604.938.1247
SQUAMISH: UNIT 203 - 38026 2nd AVENUE SQUAMISH BC CANADA V8B 0C3 TEL 604.815.0901 FAX 604.815.0904



September 9, 2016

John M. MacLean, CAO
Regional District of Kootenay Boundary
843 Rossland Avenue
Trail, BC V1R4S8

Dear John,

Re: Request for Proposal – Boundary Recreational Trails Master Plan

The Regional District of Kootenay Boundary (RDKB) is requesting submission of proposals from qualified proponents to investigate, research, consult, and possibly develop, a Boundary Recreational Trails Master Plan (BRTMP) for the RDKB. "The Master Plan is intended to, at a high level, identify economic, cultural and societal benefits of developing a Recreational Trails Master Plan but more specifically is to present a short, medium and long term plan for the maintenance and development of recreational trails throughout the Boundary, developed through extensive public and stakeholder consultation, identifying options for service delivery and identifying the required resources – financial, human and otherwise – to meet the needs of the community."

In response to the RDKB request for proposals (RFP), **Cascade Environmental Resource Group Ltd.** (Cascade) is pleased to provide this document with our qualifications for preparing the BRTMP. With offices in Squamish and Whistler, Cascade will manage work for the RDKB from their office at: **Unit 3 – 1005 Alpha Lake Road, Whistler, BC, V0N 1B1**. The main contact phone number will be: **(604) 938-1949**.

This proposal presents an approach and methodology that meets the requirements of the RFP while taking advantage of Cascade's broad base of master trail planning experience and expertise. This proposal will also lead to a Recreational Trails Master Plan that is uniquely Kootenay Boundary in its brand and character as defined in its vision and philosophy. **Cascade is prepared to produce the Regional Trails Master Plan for a cost of \$69,720 plus GST.**

As indicated in the attached Statement of Qualifications, Cascade staff of **14 Resource and Recreation Managers, Registered Professional Biologists, Qualified Environmental Professionals, Technicians and Geographic Information Systems Specialists**, actively provided expertise in projects involving **ecosystem-based recreation, tourism and resource management planning; GPS surveys and GIS mapping; as well as environmental impact assessment and biological services** at the federal, provincial, regional and local level.

Thank you for considering this submission.

Respectfully,

Dave Williamson, Principal
Cascade Environmental Resource Group Ltd.



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SCHEDULE B – FORM OF PROPOSAL

RFP Project Title: BOUNDARY RECREATIONAL TRAILS MASTER PLAN RFP

Name of Proponent: Cascade Environmental Resource Group Ltd.

Contact Person and Title: Dave Williamson

Business Address: 3-1005 Alpha Lake Road, Whistler, BC, V0N 1B1

Telephone: 604-938-1949

Fax: 604-938-1247

E-mail Address dwilliamson@cerg.ca

To:
John M. MacLean, CAO
Regional District of Kootenay Boundary
843 Rossland Avenue
Trail, BC V1R 4S8

jmaclean@rdkb.com

c.c. mforster@rdkb.com

Dear Sir,

- 1.0 **I/We, the undersigned duly authorized representative of the Proponent**, having received and carefully reviewed all of the Proposal documents, including the RFP and any issued addenda posted on the Regional District website (www.rdkb.com), and having informed ourselves of the intent, difficulties, and community conditions attendant to developing a Boundary Recreational Trails Master Plan, submit this Proposal in response to the RFP.
- 2.0 **I/We confirm** that the following schedules are attached to and form part of this Proposal:
- Schedule B-1 – Proponent's Technical/Management Proposal
Schedule B-2 – Proponent's Experience, Reputation, and Resources
Schedule B-3 – Proponent's Financial/Timeline Proposal
- 3.0 **I/We confirm** that this proposal is accurate and true to the best of my/our knowledge.
- 4.0 **I/We confirm** that, if I/we am/are awarded the Contract, I/we will at all times be the "prime contractor" as provided by the *Workers Compensation Act* (British Columbia) with respect to the consulting services.

This proposal is submitted this 9th day of September, 2016



CASCADE ENVIRONMENTAL
RESOURCE GROUP LTD.

I/We have the authority to bind the Proponent.

Cascade Environmental Resource Group Ltd.
(Name of Proponent)

(Signature of Authorized Signatory)

David Williamson
(Print Name and Position of Authorized Signatory)



SCHEDULE B-1 – TECHNICAL/MANAGEMENT PROPOSAL

a) Provide a narrative that illustrates an understanding of the Regional District's requirements in relation to the development of a BRTMP for the Boundary.

B-1.1 Purpose

The Regional District of Kootenay Boundary (RDKB) intends for the successful proponent "to investigate, research, consult and possibly develop a Boundary Recreational Trails Master Plan (BRTMP) for the Boundary Region of the RDKB."

"The Master Plan is intended to, at a high level, identify economic, cultural and societal benefits of developing a Recreational Trails Master Plan but more specifically is to present a short, medium and long term plan for the maintenance and development of recreational trails throughout the Boundary, developed through extensive public and stakeholder consultation, identifying options for service delivery and identifying the required resources – financial, human and otherwise – to meet the needs of the community."

B-1.2 Requirements and Scope

The Master Plan will be broken into four phases:

- Phase 1 – Analysis and Review
- Phase 2 – Community and Stakeholder Engagement
- Phase 3 – Key Finding, Strategic Directions and Recommendation
- Phase 4 – Development of the Master Plan and Presentations

Cascade understands that the RDKB reserves the right to discontinue the project after two assessment points following Phase 1 and Phase 3.

Phase 1

Cascade's years of experience in helping local communities and governments in the preparation of trails master plans puts us in a position to assist the RDKB in developing a comprehensive and extensive plan to help guide the district and plan for a healthy and well-managed recreation trail network through the coming decade.

Cascade's experience in geographical information systems mapping and analysis in conjunction with our long standing relationships with Provincial, Regional, and Local Governments in addition to provincial recreational trail industry groups or local user groups allows us to use our mapping technology to quickly identify potential land ownership, land management agencies, user groups, or other interested stakeholders concerned with the management of recreational trails in the district.

Throughout our experience in previous trail planning processes, Cascade has also made key contacts and gained a valuable understanding of how trail management relationships between the Province and local governments or clubs are structured and work on the ground. Cascade has the experience to evaluate these relationships strategically so as to provide a critical look at the benefits and/or risks related to partnering with the Province in managing a recreation trail system.

Economic and societal benefits form an important part of the development of a well-informed trails master plan. Identifying and understanding these benefits, in addition to the potential downsides, plays a key role in identifying their effects on the regional recreation trail system. Cascade's previous research and work in identifying potential benefits and risks positions us well to expand on that work and determine how those effects interplay with the RDKB and its unique culture and geography.



Previous work around the Province in developing trail strategies and master plans has exposed Cascade to the wide variety of issues that arise during the creation of a trails master plan. Cascade's work for a wide range of clients; First Nations, Governments (Provincial, Regional, Local) and their respective agencies, commercial recreation operators, and trail user groups, has also exposed us to the differing needs, opinions, and conflicts that arise in relation to recreation trail networks.

Compiling and condensing the above information into a clear set of options in a Phase 1 report for the RDKB to consider will allow the district to make a clear, informed decision on whether or not to proceed to Phase 2 of the BRTMP process.

Phase 2

Cascade understands the importance of effective and useful community and stakeholder engagement in the creation of a successful trails master plan. Communicating relevant capacity building information ahead of the engagement helps prepare the public with information about the process, and the goals that are trying to be achieved. Preparing the public in this manner will give the public the information they need to provide effective feedback and engagement and extract useful information that will lead to a robust and well-rounded plan that addresses the many views and opinions of the community and stakeholders.

Phase 3

Utilizing the feedback and information gleaned from Phase 1 and 2 of the BRTMP, Cascade will analyze and compile the various data in a report which summarizes the findings and clearly outlines the key results from the stakeholder and community engagement. In addition to the economic and social benefits and risks, the report will also address expected financial and human resource costs associated with the involvement of the RDKB for the various options, as well as anticipated future financial and resource needs for the various options. The subsequent strategic directions and recommendations will be developed for the Boundary Economic Development Committee to consider in regard to the decision to either close, or continue the project to Phase 4.

Phase 4

In this final Phase, Cascade will use the information, research, feedback, and stakeholder input to develop a well-rounded, living document, that will allow the RDKB to effectively plan and/or manage the Boundary recreational trail network through the next decade, and hopefully beyond.

A Proposed Methodology for the project that outlines Cascades intended strategies and processes for each phase and task is provided in Appendix A.

b) Detail how your firm will be organized to manage this project. Indicate by position or title the person(s) who will have the overall responsibility for administering this contract.

See Cascade's Proposed Fees and Expenses (Schedule B-3 Section 3.2) for a detailed hourly breakdown of personnel for each task of the project.

Appended to this document are bios and resumes for each of Cascade's team members (Appendix D).

B-1.3 Project Manager

David F. Williamson, Land and Resource Manager, Principal – B.E.S., A.Sc.T.

Dave Williamson will serve as project lead, coordinating Cascade staff in the execution of the project tasks. Dave has had a lead role in all of the trails projects previously completed by Cascade and he will bring that vast experience to bear on this project.

Page 012

Withheld pursuant to/removed as

s.22



c) Consultation will be the key component of this project. Please describe the strategies, methods and processes that will be utilized to ensure that the public, stakeholders, interest groups, landowners and First Nations will be encouraged to provide feedback and information.

The strategies, methods and processes Cascade will use to encourage involvement of the public, stakeholders, interest groups, landowners and First Nations are laid out in a Proposed Methodology for the project provided in Appendix A.



SCHEDULE B-2 – PROPONENT'S EXPERIENCE, REPUTATION AND RESOURCES

a) Location, background and structure of the Proponent;

A Canadian-owned company, with offices in Whistler and Squamish, BC, Cascade Environmental Resource Group Ltd. provides environmental services and expertise throughout the Pacific Northwest and the Cordillera. Cascade Environmental offers a wide spectrum of consulting services to meet the needs of government agencies, recreation, tourism and resort operators, natural resource companies, land developers, and public stakeholder groups. Services include guidance in land, recreation and resource use planning and management based on ecological studies, GIS mapping and analysis, and environmental assessments.

Cascade provides ecological and resource management services to infrastructure, resource and power projects and also focuses on resort, residential and recreation based developments. These services include environmental assessments based on ecological studies and guidance in land and resource use planning and management. Cascade has experience with the *Canadian Environmental Assessment Act*, the *Fisheries Act*, the *Species at Risk Act*, the *British Columbia Environmental Assessment Act*, the *Wildlife Act*, Ministry of Forests, Lands and Natural Resource Operations approvals for Adventure Tourism, the All Season Resort Policy, and the *Water Act*. Work is conducted in-house by our staff of biologists, resource/land use managers and GIS specialists, and an expanded network of experts in their respective environmental fields is used as needed. Cascade has worked on numerous land development and resource management projects for more than 20 years. In support of these projects, Cascade provides environmental expertise in freshwater and marine fisheries and aquatic habitat, wetlands, wildlife and vegetation, and land use planning.

The expertise of Cascade's team of Resource Managers, Registered Professional Biologists and Qualified Environmental Professionals is built on a solid foundation of ecosystem-based management planning for the private and non-profit sectors, as well as regional, provincial and federal government agencies. The entire Cascade team would be available as needed.

b) Proponent's relevant experience and qualifications in delivering services similar to those required by this RFP;

B-2.1 Qualifications Highlights

- 15 years of recreation trail planning experience throughout Canada – the Cascade project team has valuable experience in terrain assessment, signage, trail development and maintenance environmental management, and risk management for the full range of trail activities including hiking, skiing, horseback riding, snowmobiling, ATV'ing and mountain biking.
- Cascade has extensive local knowledge of recreation and development in the Regional District of Kootenay Boundary.
- Cascade is composed of avid outdoor recreationalists including mountain biking enthusiasts, hikers, nordic and downhill skiers, snowboarders, and rock climbers with proven experience in the preparation of environmental inventories, ecological baseline studies and resource management planning throughout Canada.
- Cascade has 20 years of licensed professional geographic information systems (GIS) experience using ESRI's ArcGIS, enabling the delivery of a compatible geospatial database complete with attribute tables that can be easily updated as the recreation trail network changes over time. In support of this work Cascade is an active member of the ESRI Trails Special Interest Group <http://groups.google.com/group/trails-sig?hl=en?hl=en>.
- Significant experience (20 years) in project management planning for the outdoor tourism sector.



- Trail design and construction experience including familiarity with the International Mountain Bike Association (IMBA) trail guidelines and the Whistler Trail Standards.
- Long-standing and market-recognized ability to manage complex projects and deliver strategic, quality results on time and on budget.
- Cascade is comprised of 13 Registered Professional Biologists, Resource Managers, G.I.S. Specialists, Qualified Environmental Professionals and Environmental Technicians.

B-2.2 Relevant Experience

Cascade has provided strategic, ecosystem-based planning expertise for a wide range of initiatives for over 25 years, including numerous long-timeline, large development projects, policy consultation with government agencies, and Official Community Plan updates. Cascade has also prepared Strategic Environmental Assessments for Heritage Canada in support of the Trans Canada Trail, as well as Official Community Plan support for the towns of Revelstoke, Fernie and the Highlands, near Victoria, large scale resort and recreation initiatives across the province, including the 2010 Winter Olympic and Paralympic Games.

Cascade's trail experience extends beyond non-motorized trail networks and includes the full range of recreation opportunities, such as snowmobile and OHV/ATV trail development and management for guided Adventure Tourism clients. Cascade has worked for many of the large resorts in the province as well as in Colorado, assessing the potential effects of ski trails and resort development on wildlife and habitat. Cascade's project experiences have included both short term and long running projects. Our relationship with the Trans Canada Trail began in 2007 and continues today. We have a number of recreation clients that we have worked with for decades.

Cascade has completed a number of trail strategies and master plans including:

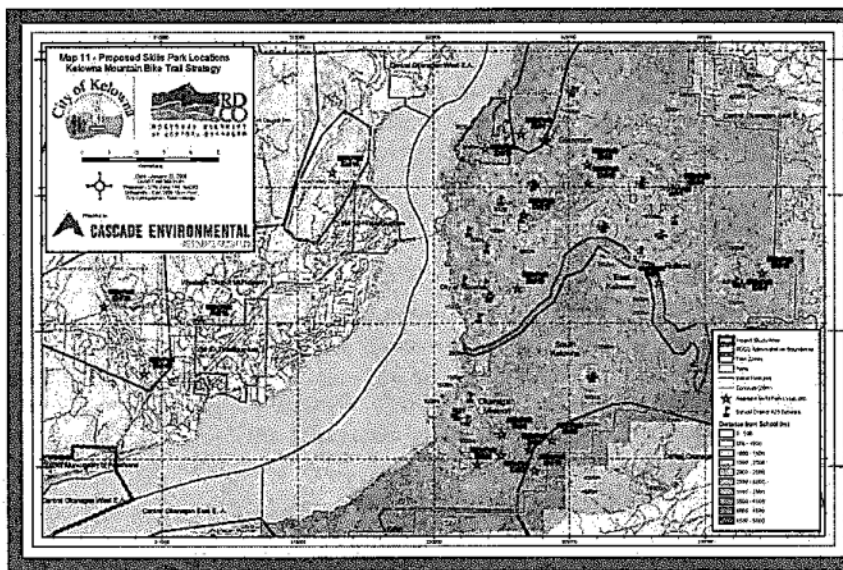
- *Sea to Sky Gondola* – BC Parks Full Impact Assessment and ongoing trail planning outside of the parks. Cascade began work with the concept phase of the project in 2011, providing guidance on land use, programming and design. Cascade then served as Environmental Coordinator for the BC Parks Environmental Impact Assessment process. Cascade continues to provide environmental support services, but currently is assisting with the Crown land tenure expansion program, which includes trails planning.
- *Regional District of Okanagan Similkameen* – Trails Master Plan, Penticton, BC. Cascade was retained in 2011 and completed the trails planning process in 18 months, including an extensive public consultation process.
http://www.rdosmaps.bc.ca/min_bylaws/Community_Services/Trails/RTMP/120320_Final_Master_Plan_withMaps.pdf
- *Trans Canada Trail* – Greenways Vision, Master Plan, Trail Connection Plan, Strategic Environmental Assessments, Trailbuilders Guidelines and ATV Policy, Canada wide. Cascade began working for the Trans Canada Trail organization on 2009 and successfully completed 7 varied trail planning contracts since then. The most recent OHV Strategy, developed by Cascade, was adopted in 2015 with implementation pending. <http://tctrail.ca/assets/pdf/GREENWAYS-VISION.pdf>, <http://tctrail.ca/tct/wab/?locale=en>
- *City of Kelowna* – *Central Okanagan Regional District* – Kelowna and Area Mountain Bike Strategy, Kelowna, BC. This was a planning process from the ground up, including trails base inventory, epic trail evaluation and facilities development.
<http://apps.kelowna.ca/CityPage/Docs/PDFs/Infrastructure%20Planning/Mountain%20Bike%20Draft%20Strategy%20Final.pdf>



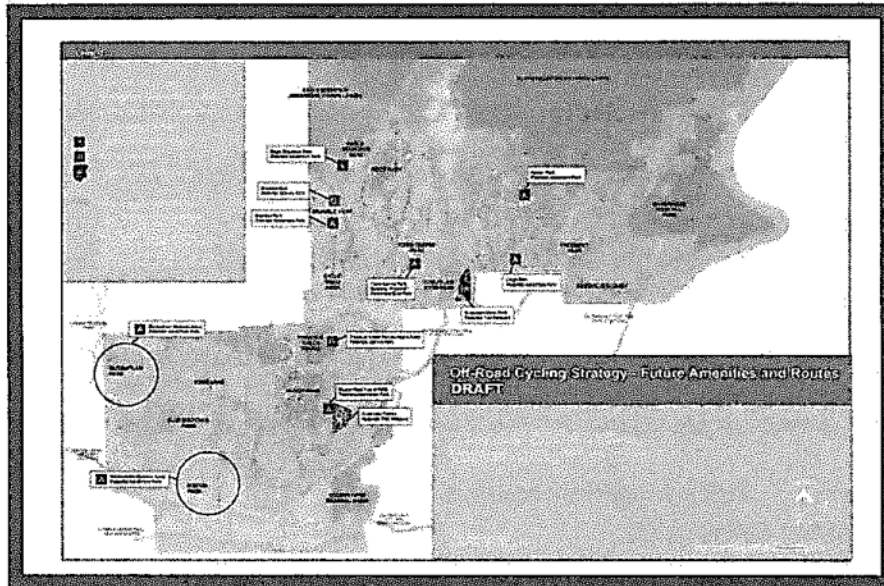
- *Ministry of Tourism Sports and the Arts – Sea to Sky Corridor Trail Strategy, Squamish, BC.*
[http://www.slrd.bc.ca/sites/default/files/pdfs/parks-trails/Sea to sky Strategy ss%5B1%5D.pdf](http://www.slrd.bc.ca/sites/default/files/pdfs/parks-trails/Sea%20to%20sky%20Strategy%20ss%5B1%5D.pdf)
- *Sunshine Mountain – Adventure Tourism application for skiing, hiking and mountain biking, Bralorne, BC.*

In addition to those core projects described above, Cascade has completed a number of trail-based, recreation and tourism planning projects over the past 20 years and has recently prepared the following:

- BC Spirit of 2010 Trail Signage Strategy on behalf of Ministry of Tourism, Culture and the Arts (2010).
- Commercial Recreation (Adventure Tourism) Management Planning conducted for Canadian Snowmobile Adventures (1998-2011), Coast Range Heliskiing (2000-2011), Bella Coola Helisports (2001-2010), Whistler River Adventures (2000-2007), Black Tusk Helicopters (2001-2011).
- Mountain bike park and trail feasibility studies for Grand Targhee and Jackson Hole Wyoming, Hafjell Norway, Mt. McCauley New York, and Chateau Berne France, completed for Gravity Logic (2006 to present).



- Whistler Nordic Centre (Whistler Olympic Park) Recreation Access Impact Assessment conducted for the Vancouver Organizing Committee for the 2010 Olympic and Paralympic Winter Games (VANOC) (2007).
- The Squamish Mountain Bike Management Plan on behalf of the Squamish Off Road Cycling Association (SORCA) and the District of Squamish (2005).



- The City of Coquitlam Mountain Bike Strategy and Interface Assessment (2007).
- The City of Burnaby Gear Jammer Trail re-alignment plan (2007).
- Whistler Mountain Bike Park trail design support (2007-2008).
- Sea-to-Sky Trail Master Plan for the Squamish Lillooet Regional District (2005).
- The Squamish Mountain Bike Management Plan on behalf of the Squamish Off Road Cycling Association and the District of Squamish (2005).
- Whistler Nordic Centre: Callaghan Valley Recreation Impact Assessment and Management Plan on behalf of VANOC (2004).
- Coal Creek Golf Resort Community, Fernie: Environmental Management Plan prepared for Schickedanz Bros. (2002).

B-2.3 Other Recent Project Experience

First Nations Projects

- P'aq'ulh Conceptual Plan, Land use plan for traditional lands. Samahquam Band, St'at'imx First Nation.
- Bear Hazard Assessment for Haines Junction and Kathleen Lake, Yukon. Environment Yukon, Parks Canada and Champaign and Aishihik First Nation.
- Environmental Assessment for Lower Post First Nation, Liard River IR 3, BC.
- Environmental Assessment of run-of river hydroelectric project on the Nicknaqueet River for the Oweekeno/Wuikinuxy First Nation. Rivers Inlet, BC.
- Lil'Wat Nation emergency flood-proofing at Birkenhead River, Lillooet River, Skookumchuck River, Gates River, Samahquam River, and Douglas River, Mount Currie, BC.





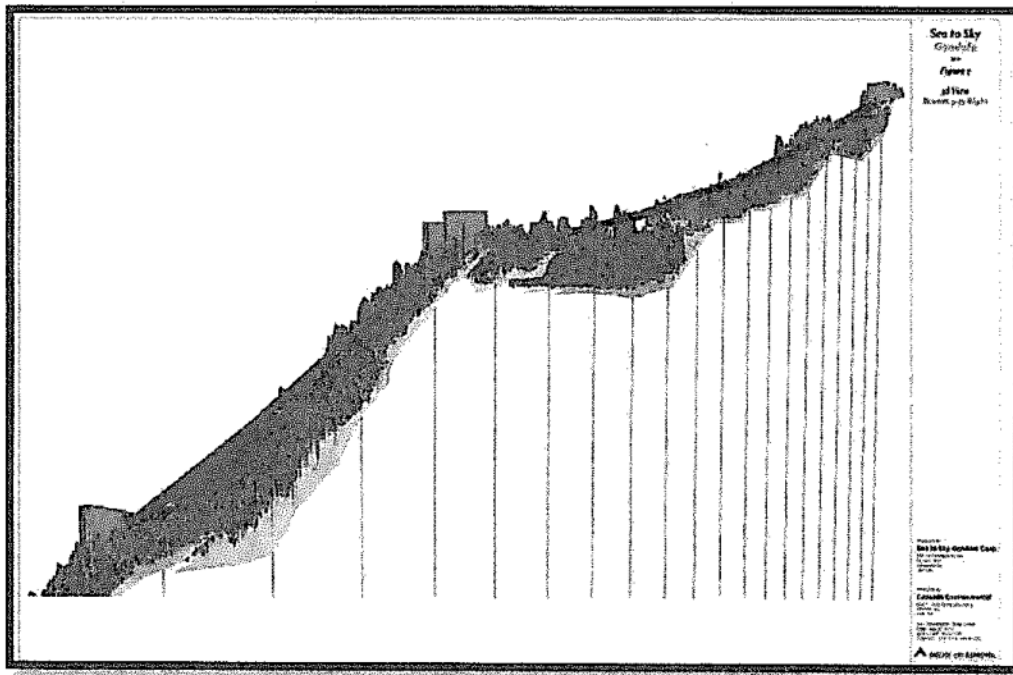
- Environmental Overview, Waiwakum IR, Squamish Nation, Squamish, BC.
- Stawamus River bank protection works, environmental planning and monitoring, Squamish Nation, Squamish, BC.
- Phase 1 Environmental Site Assessment of Lot 283 on Dene Etene Road, Kantah Subdivision within District Lot 2313, IR #2, Fort Nelson, BC.
- Environmental Assessment for a service station, Upper Nicola Band, Merritt, BC.

Resort and Tourism Projects

- *Vancouver Organizing Committee for the 2010 Olympic and Paralympic Games* – Whistler Creekside Alpine Speed, Alpine Technical and Paralympic Alpine Events Venue, lead environmental consultant, (CEAA), Whistler, BC.
- *Intrawest Development Corporation* - Whistler Creekside Comprehensive Development Strategy, Whistler, BC.
- *Parks Canada (via Western Management Consultants)* – Comparative assessment of ski area operations
- *BC Resort Task Force* - Best management practices for resorts, BC.
- *Big White Ski Resort* - Kelowna, BC.
- *Silver Star Mountain Resort* - Vernon, BC.
- *Panorama Mountain Village* – Taynton Bowl Expansion, BC.
- *Red Mountain Ski Resort* - Rossland, BC.
- *Whitewater Ski Resort* - Nelson, BC

Recreation management planning

- *Ministry of Forests* – LRMP recreation feature inventory and management guideline development, Sea to Sky, BC.
- *Provincial Tourism Wildlife Project Team* – Joint industry-government committee involved in developing guidelines for commercial backcountry recreation with respect to wildlife, BC.
- *Bella Coola Helisports* – Management Plan, Bella Coola, BC.
- *Whistler Heli-skiing* - Management Plan, Whistler, BC.
- *Coast Range Heliskiing* – Management Plan, Pemberton, BC.
- *Blackcomb Snowmobiles / Whistler ATV* – Management Plan, Whistler, BC.
- *Canadian Wilderness Adventures* – Management Plan, Whistler, BC.
- *Black Tusk Helicopters* – Management Plan, Squamish, BC.
- *Whistler Alpine Guides Bureau* – Management Plan, Whistler, BC.



Environmental planning and assessments

- *Resort Municipality of Whistler – Whistler Biodiversity Project, Whistler, BC*
- *Peter Kiewit and Sons Ltd. – Environmental Management Plans and Environmental Monitoring for Construction, Sea to Sky Highway Project.*
- *Whistler 2020 Development Corporation / Vancouver Organizing Committee for the 2010 Olympic and Paralympic Winter Games – Whistler Athlete Village, Lead Environmental Consultant, (CEAA), Whistler, BC.*

c) Proponent's references (name and telephone number). The Regional District's preference is to have three references.

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SCHEDULE B-3 – PROPONENT’S FINANCIAL AND TIMELINE PROPOSAL

The RDKB has established a budget of \$70,000.00 for all costs, taxes, fees, etc. associated with this project. Please provide a detailed cost estimate for each Phase of the project as to how your firm will provide the necessary work within the established budget. Please also provide a detailed timeline for the required works.

B-3.1 Work Schedule

The schedule below was with the assumption that the contract would be awarded no later than October 1, 2016, so that work could commence immediately. Cascade understands that the RDKB retains the right to discontinue the project after assessment points following Phase 1 and Phase 3.

Table 1. Detailed Schedule of Works.

Phase	Part	Task Description	Completion Date
1		Analysis and Review	
	1.1	Identification and mapping of existing recreational trails	December 1, 2016
	1.2	Identification of managing partners, stakeholders, community groups, etc.	November 1, 2016
	1.3	Identification of benefits and risks of ongoing relationship with province	November 1, 2016
	1.4	Research, analysis and quantification of the economic, societal and community benefits	December 1, 2016
	1.5	Identification of issues to be addressed	December 1, 2016
	1.6	Development of options for level of involvement	January 15, 2017
	1.7	Development of Phase 1 Report and presentation	February 1, 2017
	1.8	Decision to proceed, re-scope Phase 2	February 15, 2017
2		Community and Stakeholder Engagement	
	2.1	Development of a capacity building primer	April 1, 2017
	2.2	Community and stakeholder surveys	March 15, 2017
	2.3	Consultation with stakeholders	June 1, 2017
	2.4	Public open houses in strategic locations	July 1, 2017
3		Key Finding, Strategic Directions and Recommendation	
	3.1	Analysis of all information and findings	August 1, 2017
	3.2	Preparation of a report for presentation that addresses:	September 15, 2017
	3.2a	Economic, societal and community benefits and risks associated with trails	
	3.2b	The estimated immediate financial and human resource costs	
	3.2c	Anticipated future financial and resource needs	
	3.2d	Anticipated acquisition of land and/or tenure in order to support trails	
	3.3	Development of recommendations based on findings, engagement and best practices	October 1, 2017
	3.4	Presentation of draft report of key findings, strategic directions and recommendations	October 15, 2017
	3.5	Decision to proceed, re-scope Phase 4	November 1, 2017
4		Development of Master Plan and Presentations	
	4.1	Develop the Boundary Trails Master Plan	February 1, 2018
	4.2	Estimates of resourcing including operating and capital plan	February 1, 2017



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B-3.2 Proposed Fees and Expenses

Page 023

Withheld pursuant to/removed as

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APPENDICES

Appendix A – Proposed Methodology

In order to meet the Scope of work provided in the RFP, Cascade proposes the following approach. The methodology of the recommended approach is broken into a set of tasks with their descriptions and rationale. While the tasks are listed sequentially in the order presented in the RFP, Cascade anticipates that many of the tasks could be executed concurrently in order to meet the proposed work schedule.

Cascade assumes that a key component of this project will include striking a BRTMP Working Group to provide guidance and to direct the project through its lifespan. The Working Group should be composed of members of the RDKB, and local stakeholders at a minimum. Provincial participation can be discussed with the RDKB at the time of project initiation.

Phase 1 – Analysis and Review

Part 1: *Identification and mapping of existing recreational trails in the Boundary Region. The Regional District will support the project through our internal GIS resources, however it must be noted that all mapping and spatial data developed in this project will become the property of the Regional District.*

Cascade will conduct a thorough search of BC government agency data and social media information, in particular BC Recreation Sites and Trails and Trailforks, to compile a complete inventory of existing available trails information. Cascade will also pursue other data sources as identified by the BRTMP Working Group. The data will be converted to shapefiles for delivery to the RDKB.

Part 2: *Identification of managing partners, stakeholders, community groups, governmental organizations, tourism organizations or individuals who have an interest in the development, maintenance and operation of recreational trails.*

In consultation with the BRTMP Working Group, Cascade will assemble a list of interested stakeholders and potential participants for the trail network. Cascade will reach out to each of these identified individuals, groups or agencies and determine their level of interest and contribution.

Part 3: *Identification of the benefits and risk of an ongoing relationship with the Province, including the possibility of funding and the costs and risks associated with the Province withdrawing that support.*

History has shown that many organizations that rely on external funding may eventually need to adapt to loss of that funding and support. It is therefore prudent for any organization that relies on financial support to consider alternative revenue models to ensure long term viability. During his tenure with the Board of the Whistler Chamber of commerce, Dave Williamson worked on a similar risk-to-benefit assessment for the potential loss of funding for the Spirit Program. This risk-to-benefit assessment gave the Board confidence that the Chamber of Commerce could survive with a loss of a significant funder. This methodology will be applied to the BRTMP.

Part 4: *Research, analysis and quantification of the economic, societal and community benefits of the development and maintenance of a regional recreational trail network. Included in this shall be the identification of possible downsides.*

Cascade has conducted similar assessments for past trail projects and will build off of that experience to address this task with the BRTMP project. In addition to past experience, newly available information will also be considered.



Part 5: *Identification of issues that will have to be addressed in the implementation of a possible Boundary Recreational Trails Master Plan by the RDKB. Issues may include, and are not limited to, environmental, conflict in user type, landowner trail user conflict, First Nation concerns, the role of rural resource roads as part of the recreational network, etc*

Working with the BRTMP Working Group, Cascade will assemble a list of issues requiring action as part of the plan. Cascade will draw on its many past trail projects to ensure that all potentially arising issues are identified and addressed.

Part 6: *The development of options as to the level of RDKB involvement in the development and maintenance of recreational trails in the Boundary. Those options should span from little or no involvement to full operational activity, including holding tenure and staffing as well as the identification of potential partnerships.*

Cascade will develop a range of trail development and maintenance scenarios that can serve as a toolbox for the RDKB to draw on. Cascade's experience has been that ongoing trail management requires a combination of different involvement and responsibility levels. The level varies by project and partner capacity.

Part 7: *Development of a Phase 1 report and presentation to the Boundary Economic Development Committee of the RDKB.*

Cascade will prepare a Phase 1 Interim Findings report that describes the progress of Phase 1 and will personally deliver it to the RDKB.

Part 8: *Negotiation of appropriate change in scope, fees, expenses and deliverables between RDKB and successful proponent (if RDKB decides to proceed to Phase 1).*

Based on the outcomes of Phase 1, Cascade will negotiate with the RDKB the next steps, scope and costs. The purpose of this task is to reconfirm RDKB's commitment to advancing the project, to affirm the validity of the project and to make any necessary adjustments to ensure the project continues to advance in the direction the RDKB wishes.

Deliverables:

- Phase 1 Report
- Powerpoint presentation of report findings.
- ArcInfo geodatabase shapefiles

Phase 2 – Community and Stakeholder Engagement

Part 1: *Assist in Development of a capacity building "primer" that will be made available to the public and used to increase the general knowledge of the public prior to their engagement in consultation.*

Cascade will use its experience developing the Trailbuilder Guidelines for the Trans Canada Trail. This foundational document continues to be the main standardized primer for trail groups to achieve funding, build trails and assess impacts. The RDKB Trail Primer will be adapted to the character and needs of the RDKB constituency.

Part 2: *Community and Stakeholder Surveys.*

Cascade has prepared and conducted a number of surveys in support of trail plans. Cascade will draw on that experience while consulting with the BRTMP Working Group, to ensure that the surveys are tailored to the needs and aspirations of the RDKB.



Part 3: *Consultation with stakeholders (including the Provincial Government), trail stewardship groups, interests groups, community groups and landowners.*

Cascade will conduct a series of consultations based on a list provided by the RDKB or the BRTMP Working Group. The consultation will be primarily web conferencing GoToMeeting, skype or telephone conference calls.

Part 4: *Public Open Houses in strategic locations designed to maximize community input.*

The RDKB will determine the number and location of public open houses deemed appropriate for the project. Cascade will then develop a budget for carrying out the meetings. Typically, the open houses would be hosted by the RDKB and facilitated by Cascade.

Deliverables:

- Survey results and analysis
- Public comments generated from the open houses

Phase 3 – Key Finding, Strategic Directions and Recommendation

Part 1: *Create an Analysis of Key Findings respecting the RDKB trail network.*

Cascade will develop a set of findings based on the results and outcomes of Phases 1 and 2 of the project.

Part 2: *Preparation of a report for presentation to the RDKB. That report should address the following:*

- *The economic, societal and community benefits and risks associated with the development and maintenance of the regional and sub-regional recreation trails network.*
- *The estimated immediate financial and human resource costs associated with the RDKB involvement in the development and maintenance of recreational trails for the options developed.*
- *Anticipated future financial and resource needs for the options identified.*
- *Anticipated acquisition of land and/or tenure in order to support the current trails or the development of new trails.*

Cascade will prepare a Phase 3 Interim Findings report that provides the RDKB with the information and costs estimates needed to determine if the project merits continuation.

Part 3: *Development of recommendations based on the findings, community engagement and best practices.*

In discussion with the RDKB and the BRTMP Working Group, Cascade will produce a set of recommendations aimed at advancing trails and trail planning in the RDKB.

Part 4: *Presentation of the draft report of key findings, strategic directions and recommendations to the Boundary Economic Development Committee for information and input.*

Cascade will present the Phase 3 Interim Report and Recommendations to the Boundary Economic Development Committee and receive their comments.

Part 5: *Negotiation of appropriate change in scope, fees, expenses and deliverables between RDKB and successful proponent (if RDKB decides to proceed to Phase 4).*

Based on the outcomes of Phase 3, Cascade will negotiate with the RDKB the next steps, scope and costs. At this point the RDKB will decide if a Recreational Trails Master Plan is appropriate and needed.



Deliverables:

- Phase 3 Report.
- Powerpoint presentation to Boundary Economic Development Committee.

Phase 4 – Development of Master Plan and Presentations

Part 1: Gathering of all information and feedback and development of a Boundary Recreation Trails Master Plan which shall form the key policy document for the RDKB's involvement in Recreational Trails in the Boundary for the next 10 years (2017-2027). The Master Plan will include an implementation plan that includes estimates of resourcing required. For clarity, this will include an operating and capital plan for the entire planning period (2017-2027).

Cascade will synthesize all of the information acquired in the development of this project and produce a planning document that will be used by the RDKB to guide trails development and management. As with all of Cascade's master trail plans, this will be a living document and Cascade encourages future working groups and committees to adjust the plan to keep it current and relevant.

Deliverables:

- Boundary Recreational Trails Master Plan.
- ArcInfo geodatabase shapefiles.



Appendix B – Client Responsibilities

In order to meet the proposed budget and timelines provided in this proposal and in the RFP Cascade recommends the RDKB provide the following:

- Access to all pertinent digital GIS datafiles for the study area.
- Copies of all pertinent reports, studies and documents listed in the RFP immediately following awarding of the contract.
- A designated person to record the minutes of all consultation meetings.
- Access to the RDKB website for posting the online survey.
- Payment of invoices on a monthly basis or other pre-agreed schedule.



Appendix C – Insurance Coverage

Cascade Environmental Resource Group Ltd. has the following insurance coverage:

Professional Liability (errors and omissions)

Policy No. s.21

s.21

Coverage \$2,000,000 limit of liability per claim
 \$2,000,000 annual aggregate limit

General Liability

s.21

Coverage \$5,000,000 at each office location

WorkSafe BC Coverage

Account No. s.21

Page 030 to/à Page 043

Withheld pursuant to/removed as

s.22

RDKB Phase 1 Report

Wednesday, April 17, 2019

2:16 PM

Subject	RDKB Phase 1 Report
From	<u>Dave Williamson</u>
To	Hawkings, John FLNR:EX; Trent, Tennessee FLNR:EX
Cc	Todd Hellinga; Roly Russell (RDKB) (rrussell@rdkb.com); XT:Andison, Mark Kootenay Boundary Regional District EAO:IN
Sent	Tuesday, April 10, 2018 1:47 PM

John/Tennessee,

Please follow the links below to access the report and maps. If you have any trouble accessing, please let me know.

Phase 1 Report:

https://www.dropbox.com/s/rpo75e8i8z94xc8/180111%20Phase%201%20Report%20with%20Exec%20summary_Final.pdf?dl=0

Quadrant Maps:

<https://www.dropbox.com/sh/0jza2ad6zx4dx2h/AABVCMK9iJrEV7w-1XVgAE4Wa?dl=0>

Cheers,

DAVE WILLIAMSON | B.E.S. | Q.E.P. | Principal

Cascade Environmental Resource Group Ltd.

Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1

TEL: 604 938-1949 | FAX: 604 938-1247 | CELL: S.22 |

WHISTLER/SQUAMISH, BC / dwilliamson@cerg.ca | www.cerg.ca

RDKB planning process

Wednesday, April 17, 2019

2:27 PM

Subject	RDKB planning process
From	Trent, Tennessee FLNR:EX
To	Scott, Daniel FLNR:EX; Dexter, Justin B FLNR:EX
Cc	'Dave Williamson' (dwilliamson@cerg.ca)
Sent	Wednesday, August 2, 2017 2:55 PM

Hi Guys,

Just discussed where this process is at with Dave Williamson of Cascade Environmental. Essentially, the Boundary Economic Diversification Committee, has procured Cascade to undertake a recreational planning process in a phased approach. BEDC is not in a hurry on this process. Cascade is coming near the end of phase 1 which is essentially collection of some baseline information and background. Phase one does not include any consultation or engagement. Cascade understands the role that RSTBC and MFLNR play in managing public recreation and public lands but at this point the BEDC is meeting with just its working group to decide if they want to move forward with future stages of the planning process.

Hope this helps.

TT

Tennessee Trent - Manager, Trails

Recreation Sites and Trails BC

Sea to Sky Office

101-42000 Loggers Lane

Squamish, BC

V8B 0H3

604.898.2194 office

tennessee.trent@gov.bc.ca

RE: Blurb about RSTBC

Wednesday, April 17, 2019
2:27 PM

Subject	RE: Blurb about RSTBC
From	Dave Williamson
To	Trent, Tennessee FLNR:EX
Sent	Thursday, June 29, 2017 12:33 PM

Tennessee,

It is definitely related to the rail trail stuff. But I think they are also just trying to evaluate whether or not they even want to get into the trails game regionally or just leave it to RSTBC. My message is, as always, that trails are a good, cost-effective recreational facility and as such, they should have a budgetary line item for trails.

I will cite you; it will give my report extra gravitas. If you want I can flip you a draft of the risk assessment. It should be roughed out next week.

Cheers,

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WHISTLER/SQUAMISH, BC

dwilliamson@cerg.ca / www.cerg.ca

From: Trent, Tennessee FLNR:EX [<mailto:Tennessee.Trent@gov.bc.ca>]

Sent: June 29, 2017 11:36 AM

To: Dave Williamson

Subject: RE: Blurb about RSTBC

You can cite me if you like. If you think it better not to, I don't really care.

They might be concerned based on some of the rail trail challenges we're experiencing there too?

Tennessee Trent - Manager, Trails

Recreation Sites and Trails BC

Sea to Sky Office

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604.898.2194 office

tennessee.trent@gov.bc.ca

From: Dave Williamson [<mailto:dwilliamson@cerg.ca>]

Sent: Thursday, June 29, 2017 11:28 AM

To: Trent, Tennessee FLNR:EX

Subject: RE: Blurb about RSTBC

Tennessee,

I want to include a description of the new improved RSTBC in the Regional District of Kootenay Boundary Trails White Paper that we are producing as Phase 1 of the master trails planning process. For some reason they are nervous about partnering with RSTBC as the initiative moves forward and they have asked us to include a risk assessment in the report. I think their anxiety may stem from past experience with the old Recreation Section.

Cheers,

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From: Trent, Tennessee FLNR:EX [<mailto:Tennessee.Trent@gov.bc.ca>]

Sent: June 29, 2017 11:07 AM

To: Dave Williamson <dwilliamson@cerg.ca>

Subject: RE: Blurb about RSTBC

Where do you intend to use this?

Tennessee Trent - Manager, Trails

Recreation Sites and Trails BC

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From: Dave Williamson [<mailto:dwilliamson@cerg.ca>]

Sent: Thursday, June 29, 2017 11:06 AM

To: Trent, Tennessee FLNR:EX

Subject: RE: Blurb about RSTBC

Excellent. Thanks Tennessee. Would you like to be cited or would you prefer not to be?

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Sent: June 29, 2017 9:19 AM

To: Dave Williamson <dwilliamson@cerg.ca>

Subject: RE: Blurb about RSTBC

See below.

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I have written a brief commentary on the old Forestry Recreation and the new Rec Sites and Trails.

Can you give it a quick read and let me know if it is correct?

Originally, forest recreation management on Crown lands was managed by the Forest Service and mostly consisted of rustic backcountry camping areas developed in association with timber harvesting and road building. This program was the core of the provincial recreation program outside parks in BC for many decades. Through the 1990's and 2000's as public demand increased for a greater diversity of public recreation facilities on crown lands the forest service focus began to explore development of trails and other facilities. The recreation program was reinvented in 2006 and was incorporated into the Ministry of Tourism Culture and the Arts with a strong focus on development of market ready tourism products adjacent communities. While the recreation sites and trails BC branch was reincorporated back into the Forests Lands and Natural Resource Operations Ministry in 2010, the focus on providing world class opportunities for all users remains. With a focus of service to communities, integrating resource operations and rural economic development the RSTBC branch has emerged from its rustic backcountry roots into a program that delivers on a vision of world class recreation opportunities for communities across BC.

"This may be a legacy of the old organizational structure whereby recreation officers were under control of the Ministry of Forests and subordinate to the goals and objectives of the forest industry.

Trails establishment tended to lag behind the rising use and popularity, especially with respect to mountain bikes and ATVs. The organization was more oriented towards establishing and managing recreation sites than trails. Under Forest Renewals BC, from 1994-2002 significant efforts were directed towards trails and recreation sites. However, with the demise of the program and resulting cuts in funding, much of the infrastructure was neglected and in the case of trails the regional districts inherited the maintenance financial headaches associated with unmanaged trails. Under the current structure, BC Recreation Sites and Trails (RSTBC) operates under the Integrated Resource Operation Division within FLNRO. This allows RSTBC to consider tourism and associated socio-economic values as part of its mandate. While this shift may appear to be of minor nature, it has resulted in a significant shift in the operational direction of RSTBC.”

Feel free to edit as needed.

Thanks in advance,

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DAVE WILLIAMSON | B.E.S. | Q.E.P. | Principal

Cascade Environmental Resource Group Ltd.

Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1

TEL: 604 938-1949 | FAX: 604 938-1247 | CELL: S.22 |

WHISTLER/SQUAMISH, BC

dwilliamson@cerg.ca / www.cerg.ca

RE: Conf call?

Wednesday, April 17, 2019

2:15 PM

Subject	RE: Conf call?
From	Dave Williamson
To	Hawkings, John FLNR:EX; Trent, Tennessee FLNR:EX
Cc	Todd Hellinga
Sent	Monday, April 23, 2018 3:22 PM

It is pretty open this week, John. Todd is out at CWSAA in Lake Louise, and may not be available, but we should connect if we can. I have a 1 pm tomorrow and an 3 pm on Wednesday, but other than that I am available.

Cheers,

DAVE WILLIAMSON | B.E.S. | Q.E.P. | Principal Cascade Environmental Resource Group Ltd.
Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1
TEL: 604 938-1949 | FAX: 604 938-1247 | CELL: S.22 | WHISTLER/SQUAMISH, BC |
dwilliamson@cerg.ca | www.cerg.ca

-----Original Message-----

From: Hawkings, John FLNR:EX <John.Hawkings@gov.bc.ca>
Sent: April 23, 2018 2:52 PM
To: Dave Williamson <dwilliamson@cerg.ca>; Trent, Tennessee FLNR:EX <Tennessee.Trent@gov.bc.ca>
Cc: Todd Hellinga <thellinga@cerg.ca>
Subject: RE: Conf call?

Sorry Dave, last week ended up running away on me. I am available this week, how is your schedule?

John

-----Original Message-----

From: Dave Williamson [<mailto:dwilliamson@cerg.ca>]
Sent: Tuesday, April 17, 2018 4:08 PM
To: Trent, Tennessee FLNR:EX
Cc: Hawkings, John FLNR:EX; Todd Hellinga
Subject: RE: Conf call?

Tennessee,

That was always the plan, for you to call in. Let's wait for John to chime in with his availability and go from there.

Cheers,

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dwilliamson@cerg.ca | www.cerg.ca

-----Original Message-----

From: Trent, Tennessee FLNR:EX <Tennessee.Trent@gov.bc.ca>
Sent: April 17, 2018 4:05 PM
To: Dave Williamson <dwilliamson@cerg.ca>
Cc: Hawkings, John FLNR:EX <John.Hawkings@gov.bc.ca>; Todd Hellinga <thellinga@cerg.ca>
Subject: Re: Conf call?

Hi Dave

I'm not in Squamish any more. Not sure of John's availability there. I'll have to call in for any discussion.

Sent from my handheld device

On Apr 17, 2018, at 4:01 PM, Dave Williamson
<dwilliamson@cerg.ca<mailto:dwilliamson@cerg.ca>> wrote:

I might be able to slide by the Squamish RSTBC office on my way through tomorrow between 10:30 and 11:30 am if that works.

Otherwise maybe next week?

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dwilliamson@cerg.ca<mailto:dwilliamson@cerg.ca> | www.cerg.ca<<http://www.cerg.ca>>

From: Trent, Tennessee FLNR:EX

<Tennessee.Trent@gov.bc.ca<mailto:Tennessee.Trent@gov.bc.ca>>

Sent: April 17, 2018 3:28 PM

To: Dave Williamson <dwilliamson@cerg.ca<mailto:dwilliamson@cerg.ca>>; Hawkings, John
FLNR:EX <John.Hawkings@gov.bc.ca<mailto:John.Hawkings@gov.bc.ca>>

Cc: Todd Hellinga <thellinga@cerg.ca<mailto:thellinga@cerg.ca>>

Subject: RE: Conf call?

Hi Dave,

Thursday or Friday of this week do not work for me.

Cheers,
TT

Tennessee Trent - Manager, Trails
Ministry of Forests Lands Natural
Resource Operations and Rural Development Recreation Sites and Trails BC 4th Floor – 333 Victoria
Street Nelson, BC
250-354-6750

tennessee.trent@gov.bc.ca<mailto:tennessee.trent@gov.bc.ca>

From: Dave Williamson [<mailto:dwilliamson@cerg.ca>]

Sent: Tuesday, April 17, 2018 3:02 PM

To: Hawkings, John FLNR:EX

Cc: Trent, Tennessee FLNR:EX; Todd Hellinga

Subject: Conf call?

Did you folks have time for a call this week about the Boundary Trails Plan? I am on the road tomorrow, but around Thursday and Friday. Let me know.

Cheers,

DAVE WILLIAMSON | B.E.S. | Q.E.P. | Principal Cascade Environmental Resource Group Ltd.
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RE: Conf call?

Wednesday, April 17, 2019
2:15 PM

Subject	RE: Conf call?
From	Hawkings, John FLNR:EX
To	'Dave Williamson'; Trent, Tennessee FLNR:EX
Cc	Todd Hellinga
Sent	Monday, April 23, 2018 2:51 PM

Sorry Dave, last week ended up running away on me. I am available this week, how is your schedule?

John

-----Original Message-----

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Sent: Tuesday, April 17, 2018 4:08 PM
To: Trent, Tennessee FLNR:EX
Cc: Hawkings, John FLNR:EX; Todd Hellinga
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dwilliamson@cerg.ca | www.cerg.ca

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Sent: April 17, 2018 4:05 PM
To: Dave Williamson <dwilliamson@cerg.ca>
Cc: Hawkings, John FLNR:EX <John.Hawkings@gov.bc.ca>; Todd Hellinga <thellinga@cerg.ca>
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Sent: April 17, 2018 3:28 PM
To: Dave Williamson <dwilliamson@cerg.ca<mailto:dwilliamson@cerg.ca>>; Hawkings, John
FLNR:EX <John.Hawkings@gov.bc.ca<mailto:John.Hawkings@gov.bc.ca>>
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Tennessee Trent - Manager, Trails
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250-354-6750

tennessee.trent@gov.bc.ca<mailto:tennessee.trent@gov.bc.ca>

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dwilliamson@cerg.ca<mailto:dwilliamson@cerg.ca> | www.cerg.ca<<http://www.cerg.ca/>>

RE: Examples of Provincial Local Government Trail Partnerships

Wednesday, April 17, 2019

2:26 PM

Subject	RE: Examples of Provincial Local Government Trail Partnerships
From	Dave Williamson
To	Trent, Tennessee FLNR:EX
Sent	Friday, November 17, 2017 3:47 PM

Thanks Tennessee,
s.22

Cheers,

DAVE WILLIAMSON | B.E.S. | Q.E.P. | Principal

Cascade Environmental Resource Group Ltd.

Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1

TEL: 604 938-1949 | FAX: 604 938-1247 | CELL: s.22 |

WHISTLER/SQUAMISH, BC

dwilliamson@cerg.ca / www.cerg.ca

From: Trent, Tennessee FLNR:EX [<mailto:Tennessee.Trent@gov.bc.ca>]

Sent: November 17, 2017 3:06 PM

To: Dave Williamson

Subject: RE: Examples of Provincial Local Government Trail Partnerships

Actually, it was no big deal. Here you go. The Okanagan Similkameen also holds an agreement but they didn't make the report due to a historical reporting error that we're working to correct.

TT

Tennessee Trent - Manager, Trails

Recreation Sites and Trails BC

Sea to Sky Office

101-42000 Loggers Lane

Squamish, BC

V8B 0H3

604.898.2194 office

tennessee.trent@gov.bc.ca

From: Dave Williamson [<mailto:dwilliamson@cerg.ca>]

Sent: Thursday, November 16, 2017 6:07 PM

To: Trent, Tennessee FLNR:EX

Subject: Examples of Provincial Local Government Trail Partnerships

Tennessee,

The RDKB trails working group has asked me to provide some additional partnership information.

Can you give me a list of partnership agreements around the province between RSTBC and local governments?

Thanks in advance,

DAVE WILLIAMSON | B.E.S. | Q.E.P. | Principal

Cascade Environmental Resource Group Ltd.

Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1

TEL: 604 938-1949 | FAX: 604 938-1247 | CELL: s.22 |

WHISTLER/SQUAMISH, BC

dwilliamson@cerg.ca / www.cerg.ca

RE: Examples of Provincial Local Government Trail Partnerships

Wednesday, April 17, 2019

2:26 PM

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From	Dave Williamson
To	Trent, Tennessee FLNR:EX
Sent	Friday, November 17, 2017 3:47 PM

Thanks Tennessee.
s.22

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WHISTLER/SQUAMISH, BC

dwilliamson@cerg.ca / www.cerg.ca

RE: Meeting this morning

Wednesday, April 17, 2019

2:35 PM

Subject	RE: Meeting this morning
From	Hawkings, John TCA:EX
To	'Dave Williamson'
Sent	Wednesday, June 16, 2010 8:22 AM

Leaving right now

JH

From: Dave Williamson [<mailto:dwilliamson@cerg.ca>]

Sent: Wednesday, June 16, 2010 8:09 AM

To: Hawkings, John TCA:EX

Subject: Re: Meeting this morning

Yes we are. Were you coming up?

Sent on the TELUS Mobility network with BlackBerry

From: "Hawkings, John TCA:EX" <John.Hawkings@gov.bc.ca>

Date: Wed, 16 Jun 2010 07:57:28 -0700

To: <dwilliamson@cascade-environmental.ca>

Subject: Meeting this morning

Dave,

Are we still on for this morning at your office, shortly after 9am maybe?

John

RE: More Sign stuff

Wednesday, April 17, 2019

2:31 PM

Subject	RE: More Sign stuff
From	Hawkings, John TCA:EX
To	'Kendrick Benson'
Sent	Thursday, September 9, 2010 10:43 AM

Hey Kendrick,

I am working through the Strategy document now. In retrospect, it may be easier to work with the Word version, despite the formatting. Would you be able to provide this?

Thanks,
John

From: Kendrick Benson [<mailto:kbenson@cerg.ca>]
Sent: Tuesday, September 7, 2010 5:06 PM
To: Hawkings, John TCA:EX
Subject: RE: More Sign stuff

Hi John,

That sounds great.
I look forward to seeing your new photos.

It would also be great to get you notes for any changes to the actual report.
Are you still able to supply your comments in Adobe?

Thanks,

KENDRICK BENSON | A.D.Eng (Civil) | Resource Associate
Cascade Environmental Resource Group Ltd.
Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1
TEL: 604 938-1949 | FAX: 604 938-1247 | CELL: 604 938-1247
WHISTLER/SQUAMISH, BC | SAN DIEGO, CA | WHITEHORSE YT
kbenson@cerg.ca | www.cascade-environmental.ca/

From: Hawkings, John TCA:EX [<mailto:John.Hawkings@gov.bc.ca>]
Sent: Friday, September 03, 2010 2:19 PM
To: Kendrick Benson
Subject: RE: More Sign stuff

Hi Kendrick,

Here are some more files to incorporate with specs including fonts and CMYK/RGB colors. I will send a large EPS file in a separate e-mail.

Also I have attached some photos of the interp pedestals we have installed in the Kootenays. I have not been able to track down a design spec but perhaps a picture could be used for now. I have the photos in much higher res if you need that.

The only photos I have of the major/minor and kioks are the ones I have given you. I am spending three days on the trail next week visiting over 10 sites so I will be able to get photos of all signage

and kiosks. I will take lots of photos and be able to provide them to you by Monday Sept. 13th.

Hope that helps,
John

From: Kendrick Benson [<mailto:kbenson@cerg.ca>]
Sent: Thursday, September 2, 2010 3:03 PM
To: Hawkings, John TCA:EX
Subject: RE: More Sign stuff

Thanks John,

There is some great information in that last set.

It would be great to also get the specifications for construction of the interpretive signs.
I remember you saying that it was something you should be able to supply.

The other items I am hoping you may be able to source are photos of the most up to date Major Staging, Minor Staging and Regulatory.

By the way, I think you are on the right track with your 16' ramp plans.
I stayed in a place in Vancouver on the weekend that had a 4'x8'x12' (H, W, L) ramp and it was very tight.
If you don't have the limits of an inside room (like they did) the extra space is well worth the trouble.

Thanks again,

KENDRICK BENSON | A.D.Eng (Civil) | Resource Associate
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TEL: 604 938-1949 | FAX: 604 938-1247 | CELL: 222
WHISTLER/SQUAMISH, BC SAN DIEGO, CA WHITEHORSE YT
kbenson@cerg.ca | www.cascade-environmental.ca/

From: Hawkings, John TCA:EX [<mailto:John.Hawkings@gov.bc.ca>]
Sent: September 2, 2010 1:46 PM
To: Kendrick Benson
Subject: More Sign stuff

Hi Kendrick,

I put together a quick example of the type of non-motorized sign required to be standardized on the Spirit of 2010 Trail. It is based on an RSTBC standard sign I have also included. Note that one of the RSTBC signs allows for winter motorized and one does not. If possible, I would like the sign standard to include something relatively close to what I developed with the non-motorized winter option. Note, the font for the 'Kettle Valley Rail Trail' is Palatino Linotype-Italic (consistent with 2004 signage) all other fonts I used are Tahoma.

<<KVR_NM_sample.pdf>> <<RSTBC-generic_no-motor.pdf>> <<RSTBC-summer_no-motor.pdf>>

I also would like to look at developing a 'Agriculture Area Sign'. I have attached an example of how it is used but think it can be improved upon.

<<IMG_3196.JPG>>

Message might be more like:

You are in an active agriculture environment:

- Respect the agricultural community and the life and work of framers.
- Keep off private property, stay on the designated trail.
- Do not disturb or harass cattle and other livestock

- Keep dogs under close control
- Close and secure any gate you open

The sign would have a softer look (see page 41 on

http://www.agf.gov.bc.ca/resmgmt/sf/trails/TrailGuide_Part3_Design_Examples.pdf) to be consistent with our design elements.

I have also attached the Spirit of 2010 logo and gov't logos for reference in the document.

<<spirit-210-trails-logo.gif>> <<BC_BestPlace colour (2).eps>> <<BC_BestPlace colour (2).tif>>

<<BC_BestPlace colour (2) copy.jpg>>

I think in terms of sign elements, that should cover the list. Give me a call if you want to discuss further.

John Hawkings

Manager, Trails

Ministry of Tourism, Culture & the Arts

Ph 604.898.2105 | Fax 604.898.2191








<mailto:John.Hawkings@gov.bc.ca>

**Recreation Sites
and Trails BC**

RE: More Sign stuff

Wednesday, April 17, 2019

2:32 PM

Subject	RE: More Sign stuff
From	Hawkings, John TCA:EX
To	'Kendrick Benson'
Sent	Friday, September 3, 2010 2:19 PM
Attachments	<div> Spirit of 2010 BOX I...</div> <div> Spirit of 2010 Trail ...</div> <div> Spirit of 2010 final ...</div> <div> Spirit of 2010 Trail</div> <div> SignPedestal Base</div> <div> SignPedestal Base2</div> <div> SignPedestal Base3</div>

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Thanks again,

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John Hawkings

Manager, Trails

Ministry of Tourism, Culture & the Arts

Ph 604.898.2105 | Fax 604.898.2191

<mailto:John.Hawkings@gov.bc.ca>

**Recreation Sites
and Trails BC**



Page 066

Withheld pursuant to/removed as

s.22







GoudyOlSt -BT Normal (any sub text)
GoudyOlSt -BT Normal Italic ("The, Trail")
GoudyOlSt -BT Bold in WHITE (Trail name e.g. Kettle Valley Trail")

Yellow (logo font, detail):

Uniform: Deep yellow

RGB: R 248/G 195/B 0

CMYK: C 0/M 20/Y 100/K 0

Blue (background, as required):

Uniform: Navy blue

RGB: R 73/G 86/B 119

CMYK: C 60/M 40/Y 0/K 40



RE: MTCA Signage Strategy proposal

Wednesday, April 17, 2019

2:34 PM

Subject	RE: MTCA Signage Strategy proposal
From	Hawkings, John TCA:EX
To	'Dave Williamson'
Sent	Friday, July 2, 2010 9:47 AM

Thanks Dave. Looks good. I will be putting together a contract and have it to you for review shortly.

JH

From: Dave Williamson [<mailto:dwilliamson@cerg.ca>]

Sent: Tuesday, June 29, 2010 4:00 PM

To: Hawkings, John TCA:EX

Subject: RE: MTCA Signage Strategy proposal

Thanks John,

The comments all looked great. Numbers changed only a little. Let me know if they need to come down. See attached for your review.

Cheers,

dfw

DAVE WILLIAMSON | B.E.S. | Q.E.P. | Principal
Cascade Environmental Resource Group Ltd.
Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1
TEL: 604 938-1949 | FAX: 604 938-1247 | CELL: 604 938-1247
WHISTLER/SQUAMISH, BC | SAN DIEGO, CA | WHITEHORSE YT
dwilliamson@cerg.ca | www.cascade-environmental.ca/

From: Hawkings, John TCA:EX [<mailto:John.Hawkings@gov.bc.ca>]

Sent: June-29-10 12:10 PM

To: Dave Williamson

Subject: RE: MTCA Signage Strategy proposal

Dave,

Some suggested changes and additions. I'm sure you'll want to reformat and may need to change the pricing etc. Let me know if you think this works for you guys and if it makes sense.

John

From: Dave Williamson [<mailto:dwilliamson@cerg.ca>]

Sent: Friday, June 25, 2010 3:10 PM

To: Hawkings, John TCA:EX

Subject: FW: MTCA Signage Strategy proposal

Second attempt...

DAVE WILLIAMSON | B.E.S. | Q.E.P. | Principal
Cascade Environmental Resource Group Ltd.
Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1
TEL: 604 938-1949 | FAX: 604 938-1247 | CELL: 604 938-1247
WHISTLER/SQUAMISH, BC | SAN DIEGO, CA | WHITEHORSE YT
dwilliamson@cerg.ca | www.cascade-environmental.ca/

From: Dave Williamson

Sent: June-25-10 3:08 PM

To: John Hawkings


Subject: MTCA Signage Strategy proposal

John,
Please find attached a pdf copy of the draft proposal.
Cheers,
dfw

DAVE WILLIAMSON | B.E.S. | Q.E.P. | Principal
Cascade Environmental Resource Group Ltd.
Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1
TEL: 604 938-1949 | FAX: 604 938-1247 | CELL: 604 938-1247
WHISTLER/SQUAMISH, BC | SAN DIEGO, CA | WHITEHORSE YT
dwilliamson@cerg.ca | www.cascade-environmental.ca/

RE: MTCA Signage Strategy proposal

Wednesday, April 17, 2019
2:34 PM

Subject	RE: MTCA Signage Strategy proposal
From	Hawkings, John TCA:EX
To	'Dave Williamson'
Sent	Tuesday, June 29, 2010 12:09 PM
Attachments	 100624-MT CA Signag...

Dave,

Some suggested changes and additions. I'm sure you'll want to reformat and may need to change the pricing etc. Let me know if you think this works for you guys and if it makes sense.

John

From: Dave Williamson [<mailto:dwilliamson@cerg.ca>]
Sent: Friday, June 25, 2010 3:10 PM
To: Hawkings, John TCA:EX
Subject: FW: MTCA Signage Strategy proposal

Second attempt...

DAVE WILLIAMSON | B.E.S. | Q.E.P. | Principal
Cascade Environmental Resource Group Ltd.
Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1
TEL: 604 938-1949 | FAX: 604 938-1247 | CELL: 604 938-1247
WHISTLER/SQUAMISH, BC | SAN DIEGO, CA | WHITEHORSE YT
dwilliamson@cerg.ca | www.cascade-environmental.ca/

From: Dave Williamson
Sent: June-25-10 3:08 PM
To: John Hawkings
Subject: MTCA Signage Strategy proposal

John,
Please find attached a pdf copy of the draft proposal.
Cheers,
dfw

DAVE WILLIAMSON | B.E.S. | Q.E.P. | Principal
Cascade Environmental Resource Group Ltd.
Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1
TEL: 604 938-1949 | FAX: 604 938-1247 | CELL: 604 938-1247
WHISTLER/SQUAMISH, BC | SAN DIEGO, CA | WHITEHORSE YT
dwilliamson@cerg.ca | www.cascade-environmental.ca/

Response to Request for Proposal

Ministry of Tourism, Culture and the Arts

Spirit of 2010 Trails – Signage Strategy

Prepared by:



#3-1005 Alpha Lake Road
Whistler BC
V0N 1B1

Prepared for

John Hawkings
Recreation sites and Trails
c/o 42000 Loggers Lane
Squamish, BC
V8B 0H3

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SUMMARY OF PROPOSAL

Cascade Environmental Resource Group Ltd. proposes to complete a comprehensive Signage Strategy for the Spirit of 2010 Trail for an all found price of **\$21,365 by September 15, 2010..**

Cascade has the experience and the capacity to meet the requirements of this RFP. Cascade has completed a number of projects directly related to management and planning of portions of the Trans Canada Trail (TCT) including the Sea to Sky Trail Master Plan and is currently engaged by the Trans Canada Trail to complete the Nation-wide Trans Canada Trail Master Plan. Through this work and involvement with the TCT, our firm has ready access to TCT inventory information, nation-wide contacts and is knowledgeable about the Trail. Based on our involvement with the TCT, Cascade will be able to initiate and complete this project in a short time frame to meet MTCA's larger project objectives.

The proposed Cascade Team will be lead by Dave Williamson, with first alternate Dan McDonald. All of Cascade's staff, equipment and software resources will be made available to the project for the duration of the contract. Cascade's intellectual property such as existing templates for signage and trail management plans will be made available to the project. Cascade will bring to bear its considerable experience with trails planning, construction and management to deliver a cost effective and high quality Signage Strategy.

Cascade proposes to work closely with John Hawkings, Trail Manager, MTCA and the local stewardship groups and stakeholders at the multiple sites identified in Schedule A of the RFP to ensure that the works are completed on time and on budget.

www.cascade-environmental.ca
WHISTLER: UNIT 3 - 1005 ALPHA LAKE ROAD WHISTLER BC CANADA V0N 1B1 TEL 604.938.1949 FAX 604.938.1247
SQUAMISH: UNIT 203 - 38026 2nd AVENUE SQUAMISH BC CANADA V8B 0C3 TEL 604.815.0901 FAX 604.815.0904

1. INTRODUCTION AND CORPORATE BACKGROUND

1.1 Introduction

In response to the request by John Hawkings, Ministry of Tourism, Culture and the Arts (MTCA) for a proposal (RFP) to prepare a comprehensive signage strategy for the Spirit of 2010 Trail, Cascade Environmental Resource Group Ltd. (Cascade) respectfully submits the following proposal in conformance with the terms of reference. At a cost of **\$19,195**, Cascade is prepared to commence work immediately upon acceptance of this proposal by MTCA.

1.2 Corporate Background

A Canadian-owned company, with offices in Whistler/Squamish, British Columbia, San Diego, California and Whitehorse, Yukon Territory, Cascade Environmental Resource Group Ltd. currently provides environmental services and expertise throughout the Pacific Northwest and the Cordillera. Cascade recently commenced operations in San Diego, California as Cascade Sierra Environmental Inc. providing environmental consulting services to the US market.



The Cascade Team

As an environmental consulting company, Cascade remains committed to the concept of Sustainable Development as defined by the World Commission on Environment and Development (WCED) and supported by the United Nations (Our Common Future, 1987). In 2001 as part of our ongoing commitment to sustainable practices, Cascade was ISO 14001 Environmental Management System certified through the Ministry of

Forests. Cascade has also prepared an Approach to Social Responsibility Policy. This policy was developed to help achieve three corporate values of *protection of the environment, economic growth and social equity*. As environmental consultants, Cascade is not only required to have an appreciation of sustainability issues but also has an intrinsic responsibility to promote sustainable initiatives.

1.3 Summary of Experience

Cascade has completed a number of trail related management plans, strategies and other trail projects with a signage component including:

- Sea to Sky Trail Master Plan, completed for the Squamish Lillooet Regional District (SLRD),
- The Sea to Sky Corridor Trail Strategy, completed for the Ministry of Tourism Culture and the Arts, which provides direction for the management of recreation trail on Crown Land throughout the Sea to Sky Corridor,
- The Kelowna Mountain Bike Strategy, completed for the City of Kelowna and the Central Okanagan Regional District,
- Trans Canada Trail Master Trail Plan, currently in progress for the Trans Canada Trail.
- Off-road Cycling Strategy, completed for the City of Coquitlam,
- Whistler Mountain Bike Park trail, completed for Whistler Blackcomb Mountain Resort,
- Slopestyle and terrain park 3D mapping, completed for Crankworx,

2. SCOPE OF WORK/ PROPOSED PROCESS

A. Scope

MTCA has a mandate for the development and management of the Spirit of 2010 Trail and as such needs a comprehensive signage strategy designed to address a number of management goals and objectives including:

- Wayfinding,
- Stakeholder and partner recognition,
- Conflict management, avoidance and safety,
- Biophysical interpretive information, as well as
- Cultural and historic interpretive information.

This project will focus on the development of a signage standard for those portions of the Spirit of 2010 Trail managed and administered by MTCA. Specifically the Kettle Valley Rail Trail between Brodie and Grand Forks; the Columbia and Western Rail Trail between Grand Forks and Castlegar; and the Slocan Valley Rail Trail between Crescent Valley and Slocan. The project will not include the Cowichan Valley Rail Trail or Burlington Great Northern Trail administered by MOT or portions of the Trail within BC Parks. However, Cascade will review any existing signage standards for those trails to assess opportunities for consistency.

B. Proposed Process

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Cascade proposes to complete the project in 4 phases: 1. Assessment of existing signage; 2. assessment of signage needs by stakeholders; 3. development of a comprehensive signage standard for the Spirit of 2010 Trail; and 4. Advise MTCA on initial signage order.

1. Assessment of existing signage

- a. Review previous signage standards including initial TCT and Trails BC standards (circa 1991-2001) and Spirit of 2010 Trail standards (circa 2004)
- b. Compile and assess signage templates and standards developed by stewardship groups and regional governments
- c. Review and assess TCT signage standards or templates use by other provincial agencies particularly BC Parks and the Ministry of Transportation
- d. Complete basic overview of existing signage by trail including identification of where signage exists and is adequate, where signage is needed and where signage needs to be amended.

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2. Assessment of signage needs by stakeholders

- a. Consult with local stakeholders and trail partners to identify signage needs
- b. Consult with other provincial agencies (BC Parks, MOT) to determine signage requirement if applicable
- c. Consult with TCT National to identify signage standards and expectations for the TCT
- d. Consult with MTCA to determine requirements for provincial program standards based on input and requirements for above noted stakeholders.
- e. Review any existing TCT signage standard from other Canadian jurisdictions.

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3. Development of Signage Standard

- a. Compile signage requirements by various interests and propose comprehensive signage standard to include:
 - i. Trail head signage
 - ii. En-route/ wayfinding signage
 - iii. Regulatory signage
 - iv. Interpretive/historic/ biophysical signage concepts
- b. Review proposed signage standard with MTCA
- c. Revise signage standard as per MTCA consultation

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4. Based on collected inventory of existing signage, assessment of signage needs and developed signage standards, advise MTCA in placement of initial order for sign purchase and installation.

Trails BC, working with the Province and TCT completed a regional signage program for the Trans Canada Trail in 2001. Similarly, Blair-Baldwin Tourism BC carried out some foundation work on a signage program in completed a specific signage program for the Spirit of 2010 Trail in 2004 while working with Tourism BC. Similarly, Leon-Lebrun conducted a regional signage program for the Trans Canada Trail in 2001. It is our

intent to build off of the previously conducted work identified herein as well as other program of merit identified through a literature search.

The challenge of the strategy will be to develop signage standards that are universally applicable throughout the Spirit of 2010 Trail system, yet still customizable to reflect the individual nature of each of the site specific trail segments.

2.1 Scheduling

Cascade will commence work immediately up confirmation of the project from MTCA with an aim to provide a set of signage standards in September that will allow MTCA to place and order for signs and have them placed on the Trail before winter.

2.2 Deliverables

1. Basic overview of existing signage on the MTCA administered, Spirit of 2010 Trail
2. Proposed Signage Standard for the MTCA administered Spirit of 2010 Trail
 - a. Including design drawings and specifications
3. Recommended Sign Order for Instalation of signs on the MTCA administere Spirit of 2010 Trail.

3. FEES

Cascade is prepared to prepare the comprehensive Signage Strategy for the Spirit of 2010 Trail for the budgeted amount of **\$21,365**. The following table is provided to illustrate staff commitment and effort/cost allocation by task as distributed across the rail trail project areas. Hourly charge-out rates are included and would apply to any additional work outside the scope of this RFP.

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4. CASCADE ORGANIZATIONAL PROFILE

4.1 Team Experience

The Cascade team possess a diverse range of environmental, natural resource, recreation, and technological science skills and come from a variety of backgrounds. It should also be noted that all Cascade staff associated with this project are avid mountain bikers and/or hikers and are intimately familiar with trail management. Cascade is also the proud sponsor of one of the Whistler Off-road Cycling Association "Loonie Races" during the summer. Cascade's Statement of Qualifications is appended to this RFP.

- a) Cascade has experience with community and stakeholder collaboration with stewardship groups, volunteers and community organizations including:
 - Trans Canada Trail Master Planning project,
 - City of Coquitlam Off Road Trail Strategy,
 - Sea to Sky Trail Master Plan,
 - City of Revelstoke Official Community Plan update,
 - Panorama Mountain Village, Taynton Bowl Expansion Project, and
 - Copper Mountain Resort, Comprehensive Development Plan.
- b) Cascade has worked on a number of recent projects with wilderness and trail related signage components including:
 - Sea to Sky Trail Project,
 - Trans Canada Trail, Master Plan
 - Kelowna Mountain Bike Strategy,
 - Coquitlam Off Road Cycling Strategy,
 - Callaghan Valley Recreation Impact Assessment,
 - Whistler Bike Park and Crankworks slopestyle,
 - Meager Creek Master Plan,
 - Burnaby Mountain Gear Jammer Trail re-alignment, and
 - The Barkley Valley Recreation Plan.
- c) The following section outlines a number of key projects that Cascade has participated in recently with contact information and project consulting fees.

4.2 Relevant Project Experience

Trans Canada Trail - Master Trail Plan (2009 ongoing)

Name: Deborah Apps, President and CEO
 Contact: (403) 796-6213
 Value: ~\$140,000 in 2009

Cascade is retained by the Trans Canada Trail Foundation to develop a Master Plan for further development of the trail from "Coast to Coast to Coast". This Master Plan will include a detailed inventory of existing trail, gaps, destination trails, and segments of trail that require additional development. It will also develop linkages with other connector trails to ensure greater value to local communities. The project requires collaboration with stewardship groups and is being carried out in close consultation with TCT's 500 local trail building / trail managing organisations. Cascade also carried out a refresh of



the TCT's Trailbuilding guidelines, and prepared a federal Strategic Environmental Assessment of further trail development.

Trans Canada Trail Policy Analysis – ATV policy (2009)

Name: Deborah Apps, President and CEO
Contact: (403) 796-6213
Value: \$3,000

Cascade was retained to provide policy advice to the Trans Canada Trail Foundation on how to manage ATV use on the Trail. Two policy options were developed in consultation with the TCT, which were discussed by the TCT Board of Directors and became the Greenways: Vision and Values document which restated the TCT's desire for the Trail to be non-motorised.

Trans Canada Trail - Trailbuilding Guidelines (late 2009)

Name: Deborah Apps, President and CEO
Contact: (403) 796-6213
Value: \$49,800

Refreshing the Trailbuilders Policy allowed the principles behind the recent Greenways Policy to be properly integrated into further trail development, and provided a mechanism for identifying and protecting segments of trail that are of higher value. The term "policy" was dropped, and the new document was developed as the "Trailbuilding Guidelines".

The approach taken to writing the Trailbuilding Guidelines was one of close collaboration with TCT operational staff, and with the TPAC committee members. Consultation on drafts was also carried out with TCT regional and local partners.

The chapter headings will broadly follow those of the existing Trailbuilders Policy, however these were re-written from the ground up to meet the needs of the TCT in further trail development. The forms (such as the trail registration and signage) will be redesigned to ensure all relevant information is collected in a manner which suits the development of the Master Plan.

New sections included best practice in trail design, building and operations, including any measures that may be required to comply with the Strategic Environmental Assessment.

Trans Canada Trail Strategic Environmental Assessment (2009)

Name: Deborah Apps, President and CEO
Contact: (403) 796-6213
Value: \$42,000

The SEA for the TCT encompasses both formal SEA methodologies as conducted at the federal level, as well as an existing domain of work by EA Practitioners using broader approaches for large scale projects such as the methodologies utilised under the International Association for Impact Assessment. Cascade drew on its extensive experience in trail design, management and maintenance to guide SEA development.



The SEA was conducted to inform the TCT on potential environmental matters relating to further development of the Trail. The SEA addressed the following components:

- scope and nature of potential environmental effects, including cumulative impacts
- mitigation measures or opportunities for enhancement
- scope and nature of residual effects after taking mitigative measures
- follow-up measures to monitor environmental effects of the Trail
- public and stakeholder concerns about the environmental impact among those most likely to be effected, and among other stakeholders and members of the public

A key component of the SEA was identification of measures to be taken to mitigate any negative environmental effects and enhance positive environmental effects for further Trail development. These were integrated into the Trailbuilding Guidelines and were used to guide development of the Master Plan.

Kelowna and Area Mountain Bike Strategy (2008)

Name: Barbara Davidson, Kelowna City Parks Planner
Contact: (250) 469-8837
Value: \$85,000

Cascade was retained to develop a new mountain biking strategy for Kelowna and the surrounding region, utilising the local recreation, park and trail inventory. Cascade developed the Strategy in close consultation with the local community, identifying the relevant stakeholders and designing an engagement process to fully utilise the local knowledge and expertise in Kelowna and surrounds. The Strategy has resulted in significant spend by the City of Kelowna and other partners on developing recreation infrastructure.

The City of Kelowna along with the Central Okanagan Regional District contracted Cascade to create a comprehensive trail strategy. The strategy began with an immense inventory of every known trail in the Central Okanagan Regional District. Throughout the project, Cascade was responsible for conducting consultation with the public and local stakeholders through online surveys and local meetings. Although the strategy was prepared as a Mountain Bike Trail Strategy, the public input phase included feedback from all groups and individuals who could be potentially affected. cursory environmental assessments of the entire area were conducted using available ecological mapping and site specific ground truthing. The available data on environmental conditions contributed to all recommendations for future management and planning. Final deliverables on the Strategy included a multi-year program for maintenance and upgrades that included decommissioning some areas, while at the same time developing new skills parks and cross country riding trails in other areas. Subsequent to completing the Strategy, Cascade staff worked with Mountain Bike Action on an article scheduled to run in this international publication in the summer of 2009. Cascade is also negotiating with Google to have the Kelowna trails displayed globally on Google Earth.

Sea to Sky Recreation Trail Corridor Plan (2005 to 2009)

Name: Gordon McKeever, Project Manager
Contact: (604) 932 1343
Value: \$50,000



Cascade was retained for the Squamish Lillooet Regional District and has developed the Sea to Sky corridor master plan since 2005. The Master Plan scope of work included the social, economic, and environmental effects of the proposed trail on the surrounding communities. It included comparative studies of similar master trail projects, biophysical assessments, trail management best practices, and land tenure issues.

The Squamish Lillooet Regional District contracted Cascade to develop a Master Plan for developing a regional trail that would connect the entire Sea to Sky Corridor and cross numerous jurisdictional boundaries. This Master Plan was the foundation document allowing the trail to be accepted by and form a branch of the Trans Canada Trail. The Master Plan addressed the logistical hurdles of dealing with different levels of government as well as private land owners, transportation corridors (train tracks and highway), and terrain constraints. Within the Master Plan alternate route suggestions provided consideration for aesthetic qualities while taking advantage of existing trail segments. Throughout the process, environmental mapping in the form of Vegetation Resource Inventory (VRI) and Terrestrial Ecosystem Mapping (TEM) as well as riparian mapping derived from water-course data drove the decision making process.

Sea-to-Sky Corridor Recreation Trail Strategy

Name: Tim Hoskins, Project Manager (now with Trans Canada Trail)
Contact: (604) 898-2100
Value: \$33,000

The Sea to Sky Corridor Recreation Trail Strategy was the culmination of a number of studies undertaken by the entire Cascade Team with one of Cascade's principals, Dave Williamson, leading the effort. The current Provincial Trail Coordinator, John Hawkings, was employed by Cascade during the final phase of this project and authored the final document. This Regional Strategy included an inventory of existing routes and identified both trail difficulty ratings and trail user groups. The strategy included an extensive public consultation component and has become a model for the province for implementing trail strategies. (<http://www.sitesandtrailsbc.ca/about/sea-to-sky-corridor-recreation-trail-strategy.aspx>)

City of Coquitlam Off Road Trail Strategy and Interface Assessment

Name: Dave Palidwor
Contact: (604) 927-3546
Value: \$35,000

The City of Coquitlam retained Cascade to create a viable trail strategy for trail resources contained within City boundaries. This project involved significant interaction with a local steering committee to ensure local interests were being addressed while Cascade provided expertise in resource planning to ensure the investments made by the city would be both economically efficient and popular with local residents. Deliverables included conceptual planning for a Gravity Park and expansion and connection of existing trail networks.

Canadian Snowmobile Adventures trail master planning (2006 to 2009)

Name: Allan Crawford
Contact: (604) 932 8809

Value: \$108,000

When Vancouver and Whistler were awarded the 2010 Olympic and Paralympic Winter Games, Canadian Snowmobile Adventures lost a significant portion of their recreation tenure to the new Nordic venue at Whistler Olympic Park. To compensate for the loss of operating area, Canadian Snowmobile Adventures developed a new trail network in order to continue to provide their guests with a quality recreation experience. Cascade provided routing and mapping support to develop the new trail system in Canadian Snowmobiles' successful bid to develop trails in its new tenure area.

Burnaby Mountain Trail Management Plan (2007)

Name: Henry DeJong, Park Planner, City of Burnaby
 Contact: henry.dejong@burnaby.ca
 Value: \$14,000

The Gear Jammer trail on Burnaby Mountain is situated within a protected area and was in need of upgrades due to poor alignment and erosion issues. Cascade was contracted to inventory the biophysical resources in the area and provide an environmental assessment of existing conditions with provision of a new alignment that would not compromise environmental values within the park.

Black Tusk Helicopter recreation tenure trail mapping (2007) and master planning (2003 to 2009)

Name: Danielle Saindon-Brooks, Manager, Projects & Records
 Contact: (604) 892-4096
 Value: \$49,700

Cascade wrote the original master plan and has updated it periodically to reflect changes in Black Tusk's tenure areas. Cascade also provides support to Black Tusk in matters around use of crown land to build recreation infrastructure in remote backcountry situations.

Other trail related project examples include:

- The City of Coquitlam Mountain Bike Strategy and Interface Assessment (2008).
- Ticket 2 Ride Mountain bike tour operator trail mapping and management plan (2008).
- Bear Back Biking mountain bike tour operator trail mapping and management plan in and around Whistler (2008).
- Sea-to-Sky Corridor Recreation Trail Strategy on behalf of the BC Ministry of Tourism, Sport, and the Arts (2008).
- VANOC Recreation Impact Assessment for the Callahan Valley and the Whistler Nordic Venue (2006).
- The Squamish Mountain Bike trail mapping and Management Plan on behalf of the Squamish Off Road Cycling Association (SORCA) and the District of Squamish (2006 to 2009).

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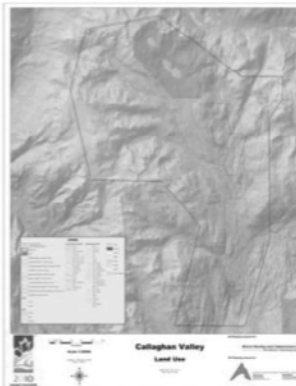
4.4 Relevant Work Experience

4.4.1 Land Use and Recreation Planning

Cascade Environmental Resource Group Ltd. has extensive experience in the fields of ecosystem-based land use and outdoor recreation planning across North America. Cascade land use and recreation projects include the following:

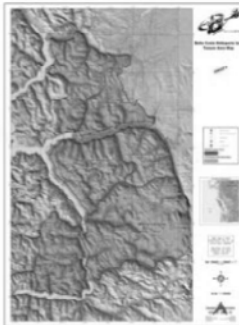
4.4.1.1 Recreation Management Planning Projects:

- *Vancouver Organizing Committee for the 2010 Olympic and Paralympic Games* – Staging facility site assessments and development design input.
- *Canadian Snowmobile Adventures* – Assessment, site planning and permitting for a temporary military base camp.
- *Trans Canada Trail* – Master Trail Plan – Strategic Environmental Assessments – Trailbuilders Guidelines – ATV Policy
- *City of Kelowna* – Planning and development of an Off Road Trail Strategy
- *City of Burnaby* – Gear Jammer Trail Environmental Assessment.
- *Gravity Logic* – Provision of Planning, environmental and G.I.S. support on international mountain bike park design projects
- *Ministry of Tourism Sports and the Arts* – Sea to Sky Corridor Trail Strategy
- *Ministry of Forests* – LRMP Recreation Feature Inventory and Management Guideline Development
- *City of Coquitlam* – Production of an off-road cycling strategy to be integrated into the city's existing master recreational trail plan
- *Provincial Tourism Wildlife Project Team* – joint industry-government committee involved in developing guidelines for commercial backcountry recreation with respect to wildlife.
- *Squamish-Lillooet Regional District, Sea to Sky Trail Standing Committee* – Master Plan
- *Green River Riding Club* - Recreation Management Plan for a Motor Cross activities.
- *Squamish Windsport Association* – Recreation and operations management plan for Windsurfing and Kite-surfing at the Squamish Spit.
- *District of Squamish* – Spit Expansion
- *Squamish Off Road Bike Association / District of Squamish* - Squamish Mountain Bike Trail Management Plan
- *Vancouver Organizing Committee for the 2010 Olympic and Paralympic Games* – Whistler Nordic Centre, Recreation Access Impact Assessment



RFP SPIRIT OF 2010 TRAIL SIGNAGE STRATEGY | PREPARED FOR: MTCA | File #: 2010-25 | Date: May 24, 2010 19

- *Whistler 2020 Development Corporation* – Whistler Athlete Village, Recreation Impact Assessment
- *Parks Canada (via Western Management Consultants)* – Comparative Assessment of Ski Area Operations
- *BC Resort Task Force* - Best Management Practices for Resort Developments http://www.tca.gov.bc.ca/resort_development/docs/bp_final.pdf.
- *Whistler / Blackcomb Mountain Resort* – Watershed Assessments.
- *Big White Ski Resort* – Environmental Review, Kelowna
- *Silver Star Mountain Resort* – Environmental Review, Vernon
- *Panorama Mountain Village* – Taynton Bowl Expansion
- *Red Mountain Ski Resort* – Environmental Review, Rossland
- *Whitewater Ski Resort* – Environmental Review, Nelson
- *Mike Wiegele Helicopter Skiing* – Environmental Review, Saddle Mountain
- *Steamhorse Golf Course Proposal* - Brackendale
- *Cayoosh Resort Proposal* - Lillooet
- *Brohm Ridge Ski Resort Proposal* - Squamish
- *Cypress Mountain Ski Area* - Vancouver
- *Garibaldi Springs Golf Course* – Squamish
- *Grey Wolf Golf Course* - Panorama
- *Coal Creek Golf Resort Community* - Fernie
- *Chateau Whistler Golf Course* - Whistler
- *Nicklaus North Golf Course* – Whistler
- *Whistler Golf Club* - Whistler
- *Gleneagles Golf Course* – West Vancouver
- *Bella Coola Heliports* – Management Plan, Bella Coola
- *Whistler Heli-skiing* - Management Plan, Whistler
- *Coast Range Heli-skiing* – Management Plan, Pemberton
- *Blackcomb Snowmobiles / Whistler ATV* - Management Plan, Whistler
- *Canadian Snowmobile Adventures* – Management Plan, Whistler
- *Black Tusk Helicopters* – Management Plan, Squamish



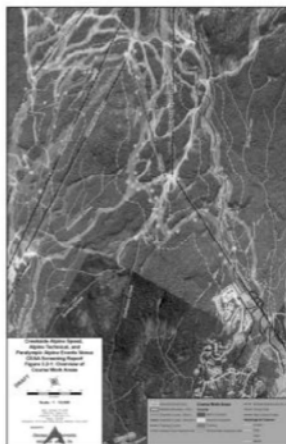
- *Whistler Alpine Guides Bureau* – Management Plan, Whistler
- *International Land Corporation* – Riverside Campground Spa Rezoning IER and Fish Enhancement Channel
- *Whistler Resort Management* – Write-off Creek Watershed Management Plan
- *Komex International* – Jervis Inlet Resort
- *Bear Back Biking Ltd.* – Bike Management Plan and Tenure Application

4.4.2 Environmental Planning and Assessments

Cascade Environmental Resource Group Ltd. has extensive experience in environmental assessments and the environmental approval process for residential, resort, recreation and independent hydroelectric projects throughout British Columbia. Environmental assessment and planning projects include the following:

4.4.2.1 Ski and Golf Resort Development Projects

- *Vancouver Organizing Committee for the 2010 Olympic and Paralympic Games* – Whistler Creekside Alpine Speed, Alpine Technical and Paralympic Alpine Events Venue, Lead Environmental Consultant, (CEAA).
- *Porpoise Bay Development Ltd.* - Initial Environmental Review for a golf course and residential development as part of development application package, Sechelt, BC.
- *Westscapes Developments International Inc.* - Juliet Creek Major Resort Proposal, Lead Environmental Consultant, (BCEAO).
- *Garibaldi Springs Golf Course* - Environmental Assessment and Mitigation and Compensation Plan, Squamish, BC.
- *Schickedanz Bros.* - Lead Environmental Consultant, Coal Creek Golf Resort Community, Fernie, BC
- *Panorama Mountain Village* - Lead Consultant, Taynton Bowl Expansion, Invermere, BC.
- *Silver Star Mountain Resort* - Amendment to Silver Star Provincial Park, including Aquatic Habitat Assessment and Terrestrial Ecosystem Mapping, Vernon, BC.
- *Big White Ski Resort* - Development approval process for the proposed resort expansion, Kelowna, B.C.
- *Mike Wiegele Helicopter Skiing* - Crown Lease (Commercial Alpine Skiing Policy) application for Saddle Mountain Ski Resort, Blue River, BC.



- *Copper Mountain Resort* - Comprehensive Development Strategy, Dillon, Colorado.
- *Terrace Developments* - Terraces Golf Course, Sechart.
- *Federation Internationale de ski* - Creekside Homologations

4.4.2.2 Independent Run of River Hydroelectric Projects

- *Cloudworks Energy Inc* - Kwalsa Hydroelectric Project, Environmental Assessment, In-SHUCK-ch Territory, BC. Conducted 2006 to present.
- *Peter Kewit and Sons Ltd.* - Kwalsa Hydroelectric Project, Environmental Monitoring, In-SHUCK-ch Territory, BC. Conducted 2006 to present.
- *Syntaris Power Corp.* - Culliton Creek Hydroelectric Project, Environmental Assessment, Squamish Lillooet Regional District, BC. Conducted 2006 to present.
- *Rockford Energy Corp.* - Brandywine Creek Environmental Assessment, Environmental Management Plan for Construction, Cumulative Effects Assessment, Environmental Monitoring during construction, Environmental Operational Plan, and post construction environmental monitoring for Water Licensing, Whistler, BC. 2000 through 2004.
- *Cloudworks Energy Inc* - Rutherford Creek Hydroelectric Project, Environmental Monitoring, Whistler, BC. Conducted 2002 through 2004.
- *EPCOR (Edmonton Power Corp.)* - Miller Creek Hydroelectric Project, Environmental Monitoring, Pemberton, BC. Conducted 2001 through 2004.
- *Pamawed Resources Ltd.* - Culliton Creek Hydroelectric Project, Fish and Wildlife Assessment, Squamish, BC, 2001 to 2002.
- *Pacific Northwest Energy Corp.* - Chipmunk Creek Hydroelectric Project, Fisheries Fieldwork, Giant Pacific Salamander (endangered species) Position Report, Chilliwack, BC, 2001 to 2002.
- *Pamawed Resources Ltd.* - Crawford Creek Hydroelectric Project, Fish and Wildlife Assessment, Squamish, BC, 2002.
- *Pamawed Resources Ltd.* - Maselpalik Creek Hydroelectric Project, Fish and Fish Habitat Assessment, Chilliwack, BC, 2001 to 2002.
- *Pamawed Resources Ltd.* - Skookum Creek Fish and Fish Habitat Assessment, Squamish, BC, 2002.
- *Pamawed Resources Corp.* - Log Creek Power Project, Preliminary Environmental Fish and Wildlife Investigations, Boston Bar, BC. Prepared for in 2000.
- *Pamawed Resources Corp.* - Dewdney Creek Power Project Fish and Wildlife Survey, Hope, BC. 2000.
- *Summit Power Corp.* - Soo River Hydroelectric Project, Spill Response Plan, Environmental Monitoring for Plant Maintenance Works, Environmental





Monitoring during construction. Conducted for Whistler BC, 2004, 2000, and 1992 through 1994.

- *Conwest Exploration Company Ltd. and AECWest* - Sechelt Creek Hydroelectric Project Environmental Protection Plan and Environmental Monitoring, Sechelt, BC, 1995 to 1997.
- *BC Hydro* - Construction Impact Assessment Stave Falls Project Powerplant Replacement. 1994.

4.4.2.3 Other Environmental Assessment Projects

- *Peter Kewit and Sons Ltd.* - Environmental Management Plans and Environmental Monitoring for Construction, Sea to Sky Highway Project, 2005-2009.
- *Vancouver Organizing Committee for the 2010 Olympic and Paralympic Games* - Whistler Creekside Alpine Speed, Alpine Technical and Paralympic Alpine Events Venue, Environmental Impact Analysis of skiing venue options.
- *2010 Bid Corp.* - Environmental Planning for the Callaghan Valley Vision Document, Whistler, BC.
- *District of West Vancouver* - Gleneagles Corridor Study, West Vancouver, BC.
- *Department of Indian and Northern Affairs* - Lil'wat Nation Emergency Floodproofing, Mt. Currie, BC.
- *BC Rail* - Prince George Corridor Mapping Project, North Vancouver.
- *Centra Gas* - Highway 99 Corridor Assessment, Squamish, Whistler, BC.
- *Terrace Developments* - Terraces Golf Course, Sechelt, BC.
- *Ministry of Forests* - Meager Creek Hot Springs Master Plan, Pemberton, BC.
- *Whistler / Blackcomb* - Watershed Assessment of Alpha, Whistler, Archibald and Blackcomb Creeks, Whistler, BC.
- *Resort Municipality of Whistler* - Environmental Review; Rainbow Wetlands Park, Golden Dreams Conservation Area, and Wedge Park, Whistler, BC.
- *Whistler Fish Stewardship Group* - Environmental Assessment for the Callaghan Waste Transfer Station
- *Associated Engineering* - Pemberton Waste-Water Treatment Plant

4.4.2.4 Residential Development Projects

- *Whistler 2020 Development Corporation / Vancouver Organizing Committee for the 2010 Olympic and Paralympic* - Whistler Athlete Village, Lead Environmental Consultant, (CEAA).
- *Loggers Lane Estates* - Initial Environmental Assessment outlines constraints to development and potential enhancement opportunities for a 55 acre property in Squamish, BC.
- *Whistler Housing Authority & Resort Municipality of Whistler* - Comparative Evaluation of Potential Residential Housing Sites in Whistler, BC.
- *Nita Lake Lodge Corporation* - Comprehensive Re-zoning Environmental Assessment and Mitigation Planning, Whistler, BC.

- *Quest (Sea to Sky) University* - Environmental Assessment, Mitigation and Compensation Planning and Monitoring, Garibaldi Highlands, BC.
- *Intrawest Development Corporation* - Whistler Creekside Comprehensive Development Strategy, Whistler, BC.
- *Stonebridge Development* - Environmental Assessment, Whistler, BC.
- *Merrill and Ring* - 500 acre residential lot subdivision - Initial Environmental Assessment, Garibaldi Highlands, BC.
- *Holborn Group* - An Initial Environmental Review on a 5.3 hectare development, that will see the construction of town homes, condominium apartment buildings, resident restricted housing for seniors and an upgrade to the current tennis facilities

4.4.3 First Nations Project Experience

(The majority of the projects below were conducted under the auspices of the Department of Indian and Northern Affairs):

- Xeni Gwent'in Electrification. Environmental Outline for Two Electrification Options, Pre-feasibility Comparisons. Namiah Valley, BC.
- Environmental Assessment of Run-of River Hydroelectric Project on the Nicknaquet River for the Oweekeno/Wuikinuxy First Nation. Rivers Inlet, BC.
- Lil'Wat Nation Emergency Flood-proofing at Birkenhead River, Lillooet River, Skookumchuck, Gates River, Samahquam, and Douglas, Mt. Currie, BC.
- Church Lands Environmental Assessment for the Lil'Wat Nation, Mt. Currie, BC.
- Aggregate Assessment, gravel pit operation and mitigation plan, Lil'Wat Nation, Mt Currie, BC.
- Phase 1 Environmental Site Assessment and Environmental Review for a temporary gas station, Mt. Currie, BC.
- Environmental planning and monitoring for Birkenhead River Bank Erosion, Birkenhead River Bridge repairs, Peq Creek Bridge repairs and replacement, Mt. Currie, BC.
- Initial Environmental Review for a new housing subdivision, environmental planning and monitoring for the water supply routing along Peq Creek, and debris berm construction, Mt Currie, IR 6, BC.
- Upper Village Dump Expansion wildlife and timber assessments, Mt Currie, BC.
- Stawamus River bank protection works, Environmental planning and monitoring, Squamish Nation, Squamish, BC.
- Environmental Overview, Waiwakum IR, Squamish Nation, Squamish, BC.





- Environmental Assessment and environmental monitoring for Cheakamus River dyke and subdivision, Squamish Nation, Cheekye, BC.
- Environmental Review and timber valuation, Parcel G, Squamish Nation, North Vancouver, BC.
- Environmental planning, permitting and monitoring for flood-proofing, Rogers Creek Bridge repairs and replacement, Skatin, Skoookumchuck, BC.
- Environmental Assessment for a Service Station, Upper Nicola Band, Meritt, BC.
- Environmental Assessment for a Campground, Upper Nicola Band, Meritt, BC.
- Phase 1 Environmental Site Assessment of Lot 283 on Dene Etene Road, Kantah Subdivison within District Lot 2313, IR #2, Fort Nelson, BC.



4.4.4 Aquatic and Terrestrial Habitat Assessment Projects:

Projects where Cascade has worked for wildlife mitigation and management projects include:

- *Western Geopower Corporation* - Wildlife Impact Mitigation Draft Plan for South Meager Geothermal Project.
- *Pacific Northwest Energy Corporation* - Wildlife and Tailed Frog Impact Mitigation for the Brandywine Creek Hydroelectric project, Whistler, B.C.
- *Toby Creek Adventures* - Wildlife Management Plan, Invermere BC.
- *Panorama Mountain Village Resort* - Wildlife Management Plan.
- *Garibaldi Springs Developments* - Garibaldi Springs Golf Course, Stream Management, Mitigation and Compensation Plan.
- *Pacific Northwest Energy Corp.* - Brandywine Creek Hydroelectric Project: On-going Environmental Input & Non-Fish Bearing Status Report.
- *District of Squamish* - Salmonid Habitat Assessment and Enhancement Opportunities for Loggers Lane Creek.
- *Intrawest* - Whistler Creek Project, Habitat Management Program.

- *BC Parks* - Porteau Cove Ferry Landing Ramp, Subtidal Biophysical Survey and Assessment.
- *BC Parks* - Birkenhead Campsite Flooding Issues, Phelix Creek.



- *Whistler Fish Stewardship Group* - Environmental Protection & Mitigation Plan for Removal of Abandoned Dam Structure on Scotia Creek.
- *Terrace Developments Ltd* - Stream management Plan, The Terrace Development and Country Club.
- *BC Rail Properties* - Stream Assessment, Unnamed Tributary of Green River, north of Wedge Creek.
- *Capilano Highway Services Ltd.* - Highway 99 Brohm Creek Bank Stabilization, Stream Survey and Habitat Replacement Program.
- *JML Management Ltd* - Aquatic Biophysical Assessment, Proposed Subdivision of Lot 2, DL 210, Plan 40529, LLD.
- *Chateau Whistler Golf Course* - Lost Lake Limnology Study, Environmental Impact Assessment, Operational Environmental Protection Program and Monitoring.
- *Dr. Dill* - D.L. 760 Soo Valley Environmental Assessment.
- *Nicklaus North Golf Course* - Environmental Protection Program and Monitoring.
- *Halray Logging and Richmond Plywood* - Stream Classification of the Soo River.
- *RMOW* - Initial Environmental Reviews for the of Spruce Grove Park, BC Hydro Lands, D.L. 6106 at Meadow Park, Rainbow Park Foreshore.
- Initial Environmental Reviews for the Edgewater property on Green Lake, the Mason Property on Alta Lake, the BC Rail Lands, the Decigon Lands, Mount Whistler Lodge, Depner – Bear Paw lands, Whistler Creekside, Spruce Grove, Cheakamus North, Barnfield Farms, the Prospero Property, the Grove.



- *Schickedanz Bros.* - Environmental Inventory (with TEM) of Coal Creek Golf Resort Community in Fernie B.C.,
- *District of West Vancouver* - Gleneagles Corridor Environmental Assessment (with TEM).
- *District of West Vancouver* - Biophysical Assessment of Larson Creek, West Vancouver.
- *Panorama Mountain Village* - Environmental Review (with Terrestrial Ecosystem Mapping).
- *Silver Star Mountain Resort* - Environmental Review (with TEM) of Silver Star Mountain Provincial Park.
- *Whistler Golf and Racquet Resort* - Wetland Assessment and Environmental Planning.
- Initial Environmental Review of Rainbow, Wedge and River of Golden Dreams Wetlands Environmental Review.
- Ongoing conservation and restoration work with the *Whistler Fisheries Stewardship Group*.
- *Whistler / Blackcomb Resort* - Watershed assessment and planning for Twenty-one Mile Creek, Archibald Creek, Blackcomb Creek, Whistler Creek, and Alpha Creek,
- *RMOW* – 2007 Gravel Extraction

5. APPROACH TO SOCIAL RESPONSIBILITY

5.1 Introduction

Cascade Environmental Resource Group Ltd. is committed to the concepts of social, environmental and economic responsibility. As consultants for a wide spectrum of environmental services to meet the needs of government agencies, recreation and resort operators, natural resource companies, land developers, and public stakeholder groups, we are not only required to have an appreciation of sustainability issues, but we also have an intrinsic responsibility to promote sustainable initiatives in our work and personal lives.

5.2 Goals and Objectives

The ultimate goal for our approach to sustainability is to achieve three principle elements: protection of the natural environment, promoting social equity and maintaining economic growth. Our corporate goals for sustainability are listed below and are the foundation of what we do:

5.2.1 *Protecting of the Natural Environment*

A place to live and work that has high environmental values, both now and in the future, though:

- △ practicing what we preach at home and at work
- △ providing advice based on sound science
- △ challenging our customers to use good practice environmental management

5.2.2 *Maintaining Economic Growth*

Being a financially rewarding employer operating in a competitive marketplace

- △ improving value for money on existing contracts
- △ seeking new and secure funding sources

5.2.3 *Promoting Social Equity*

A workplace which promotes personal development and continuous improvement, while actively participating in community initiatives that promote sustainable development

- △ sharing our personal knowledge and information
- △ working collaboratively with a wide range of stakeholders

5.2 Operational Guidelines

The following policies are applied to our business activities:

- △ *Precautionary Principle:* Corporate decisions, such as subcontractor selection, research, analysis and recommendations for resource management, err on the side of caution and are based on sound science.
- △ *Government Regulation and Standards:* External guidelines are adhered to during assessment and recommendations for resource management issues.

- △ *Geographical Information Systems:* G.I.S. is used to integrate ecological, cultural and social elements to facilitate risk assessment based on the precautionary principle.

5.4 Protecting the Natural Environment

- △ *Reducing energy and waste*
 - Reducing energy consumption in the office by using energy efficient appliances and light fittings, turning off lights, our computers and other electrical goods when not in the office
 - Not using vehicles unless essential, and only using 4x4 when needed
 - Using public transport to and from the office as much as possible
 - Working remotely where practicable
 - Reducing waste by recycling all recyclables in the office, using re-usable containers for food brought into the office
 - Where possible, re-using all sample bottles, stakes and other materials used out in the field
- △ *Advice based on science*
 - Basing advice and decisions on the results of science
- △ *Improving our clients work practices*
 - Working with our clients to improve how they operate

5.5 Promoting Social Equity

- △ *Community Involvement*
 - Bringing our expertise in environmental and natural resource management to the broader community through pro bono work and by volunteering our time on community projects
- △ *Collaborative working*
 - Encouraging our clients to work with the community in making decisions which affect the natural environment
- △ *First Nations*
 - Actively engaging and collaborating with First Nations in developing concepts and making decisions in the projects we work on

5.6 Maintaining Economic Growth

- △ *Continuous improvement of our business*
 - Continually improve how we deliver our services to our clients, learning from job to job, and passing this learning to our clients
 - Developing how we conduct our business to deliver a better service to our clients
- △ *Community Involvement*
 - Using our staff's expertise to help others in our community develop using our staff's expertise to guide our community towards achieving a more sustainable approach to local development

RE: New trails group?

Wednesday, April 17, 2019

2:28 PM

Subject	RE: New trails group?
From	Trent, Tennessee FLNR:EX
To	'Dave Williamson'
Sent	Wednesday, May 24, 2017 9:57 AM

I haven't had much to do with these guys but our local staff in the east kootenays have. They are proactive and organized and have received significant grant funding for non-moto projects.

Tennessee Trent - Manager, Trails

Recreation Sites and Trails BC

Sea to Sky Office

101-42000 Loggers Lane

Squamish, BC

V8B 0H3

604.898.2194 office

tennessee.trent@gov.bc.ca

From: Dave Williamson [<mailto:dwilliamson@cerg.ca>]

Sent: Wednesday, May 24, 2017 9:42 AM

To: Trent, Tennessee FLNR:EX

Subject: New trails group?

Tennessee,

Have you had much contact with these folks? Just wondering about the motorized/non-motorized relationships in that region, and if there is a potential model.

<https://www.greenways.ca/trails-in-the-valley/goals-and-objectives/>

Aloha,

DAVE WILLIAMSON | B.E.S. | Q.E.P. | Principal

Cascade Environmental Resource Group Ltd.

WORKING REMOTELY FROM: Princeville Nalu House

5112 Kapiolani Loop | Princeville | Kauai, HI | U.S.A | 96722

KAUAI TEL: 808 826-9075 | SKYPE: dwilliamson@cerg.ca | CELL: s 22

<http://www.kauai-vacation-rentals.com/listings/princeville-nalu-house/>

WHISTLER TEL: 604 938-1949 | FAX: 604 938-1247

WHISTLER/SQUAMISH, BC

dwilliamson@cerg.ca | www.cerg.ca/

RE: RDKB Master Trails Plan

Wednesday, April 17, 2019

2:28 PM

Subject	RE: RDKB Master Trails Plan
From	Dave Williamson
To	Trent, Tennessee FLNR:EX
Cc	Todd Hellinga; Natasha Dudley; John MacLean; karen williamson
Sent	Wednesday, February 22, 2017 3:16 PM

Excellent. See you then.

DAVE WILLIAMSON | B.E.S. | Q.E.P. | Principal Cascade Environmental Resource Group Ltd.
Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1
TEL: 604 938-1949 | FAX: 604 938-1247 | CELL: s.22 | WHISTLER/SQUAMISH, BC
dwilliamson@cerg.ca | www.cerg.ca

-----Original Message-----

From: Trent, Tennessee FLNR:EX [<mailto:Tennessee.Trent@gov.bc.ca>]

Sent: February 22, 2017 3:14 PM

To: Dave Williamson <dwilliamson@cerg.ca>

Cc: Todd Hellinga <thellinga@cerg.ca>; Natasha Dudley <ndudley@cerg.ca>; John MacLean <jmaclean@rdkb.com>; karen williamson <s.22>

Subject: Re: RDKB Master Trails Plan

Hi Dave,

Yes, 1100 works on Friday at my office.

Cheers

Sent from my handheld device

> On Feb 22, 2017, at 2:30 PM, Dave Williamson <dwilliamson@cerg.ca> wrote:

>

> Tennessee,

> I should have checked my calendar. It turns out I have a GoTo meeting at 9 am. Could we shift it to late morning, say 11 am, to give me time to attend the other meeting and head down?

> Thanks,

> DAVE WILLIAMSON | B.E.S. | Q.E.P. | Principal Cascade Environmental

> Resource Group Ltd.

> Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1

> TEL: 604 938-1949 | FAX: 604 938-1247 | CELL: s.22 |

> WHISTLER/SQUAMISH, BC dwilliamson@cerg.ca | www.cerg.ca

>

>

>

> -----Original Message-----

> From: Dave Williamson

> Sent: February 22, 2017 1:31 PM

> To: 'Trent, Tennessee FLNR:EX' <Tennessee.Trent@gov.bc.ca>

> Cc: Todd Hellinga <thellinga@cerg.ca>; Natasha Dudley

> <ndudley@cerg.ca>; John MacLean <jmaclean@rdkb.com>; 'karen
 > williamson' <s.22 >
 > Subject: RE: RDKB Master Trails Plan
 >
 > That sounds good Tennessee. We will see you then.
 > Cheers,
 > DAVE WILLIAMSON | B.E.S. | Q.E.P. | Principal Cascade Environmental Resource Group Ltd.
 > Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1
 > TEL: 604 938-1949 | FAX: 604 938-1247 | CELL: s.22 |
 > WHISTLER/SQUAMISH, BC dwilliamson@cerg.ca | www.cerg.ca
 >
 >
 >
 > -----Original Message-----
 > From: Trent, Tennessee FLNR:EX [<mailto:Tennessee.Trent@gov.bc.ca>]
 > Sent: February 22, 2017 1:26 PM
 > To: Dave Williamson <dwilliamson@cerg.ca>
 > Cc: Todd Hellinga <thellinga@cerg.ca>; Natasha Dudley
 > <ndudley@cerg.ca>; John MacLean <jmaclean@rdkb.com>
 > Subject: Re: RDKB Master Trails Plan
 >
 > Hi Dave,
 > I heard cascade was procured for this work. Good news.
 >
 > I'm in Victoria today and tomorrow. How about 0900 Friday morning at flnro in Squamish?
 >
 > Cheers,
 > Tennessee
 >
 > Sent from my handheld device
 >
 > On Feb 22, 2017, at 1:12 PM, Dave Williamson
 <dwilliamson@cerg.ca<<mailto:dwilliamson@cerg.ca>>> wrote:
 >
 > Tennessee,
 > We are currently engaged with the Regional District of Kootenay Boundary on a trails master
 planning exercise. Given your close proximity, I was wondering if we could get together and discuss
 the region and your perspective on its trails?
 > We can meet at your earliest convenience.
 > Cheers,
 > DAVE WILLIAMSON | B.E.S. | Q.E.P. | Principal Cascade Environmental Resource Group Ltd.
 > Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1
 > TEL: 604 938-1949 | FAX: 604 938-1247 | CELL: s.22 |
 > WHISTLER/SQUAMISH, BC
 > dwilliamson@cerg.ca<<mailto:dwilliamson@cascade-environmental.ca>> |
 > www.cerg.ca<<http://www.cerg.ca>>
 >
 >
 >

RE: RDKB planning process

Wednesday, April 17, 2019

2:27 PM

Subject	RE: RDKB planning process
From	<u>Dave Williamson</u>
To	Trent, Tennessee FLNR:EX; Scott, Daniel FLNR:EX; Dexter, Justin B FLNR:EX
Cc	Natasha Dudley; Todd Hellinga
Sent	Thursday, August 3, 2017 12:55 PM

Tennessee,

Thanks for circulating this update to your people. One of the struggles we are having is identifying the key players associated with the stakeholder groups. Any contacts that you could forward to us that are associated with clubs, or even independent interested parties would be great. Below is the list of Stakeholder groups that we have identified. As you can see there are very few names associated with the groups, cities, towns and communities.

Back Country Horsemen of BC – Okanagan Chapter

Beaverdell

Big White

Boundary Horse Association

Boundary Area All Nations Aboriginal Council

Boundary Snowmobile Club – Grand Forks

Bridesville

Christina Lake Fire Rescue

Christina Lake Parks and Recreation

Christina Lake Snowmobile Society

Christina Lake Tourism Society, Raimund Wege

City of Grand Forks

City of Greenwood

Columbia and Western Trail Society

Government of British Columbia, Recreation Sites and Trails

Grand Forks ATV Club

Grand Forks Community Trails Society

Grand Forks Cycling Club

Grand Forks Search and Rescue

Granby Wilderness Society

Kettle River Mountain Bikers Association

Metis Community Association

Midway Trails Society

Mount Baldy Ski Resort

North Fork Trails Maintenance

Phoenix Mountain Alpine Ski Society

Phoenix Cross Country Ski Society

Regional District of Kootenay Boundary, Electoral Area C

Regional District of Kootenay Boundary, Electoral Area D

Regional District of Kootenay Boundary, Electoral Area E

Rock Creek

Trails to the Boundary Society, Ciel Sander

Trans Canada Trail, Trisha Kaplan

Village of Midway

Westbridge and Christian Valley

Cheers,

DAVE WILLIAMSON | B.E.S. | Q.E.P. | Principal

Cascade Environmental Resource Group Ltd.

Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1

TEL: 604 938-1949 | FAX: 604 938-1247 | CELL: S.22

WHISTLER/SQUAMISH, BC

dwilliamson@cerg.ca / www.cerg.ca

From: Trent, Tennessee FLNR:EX [<mailto:Tennessee.Trent@gov.bc.ca>]

Sent: August 2, 2017 2:55 PM

To: Scott, Daniel FLNR:EX ; Dexter, Justin B FLNR:EX

Cc: Dave Williamson

Subject: RDKB planning process

Hi Guys,

Just discussed where this process is at with Dave Williamson of Cascade Environmental. Essentially, the Boundary Economic Diversification Committee, has procured Cascade to undertake a recreational planning process in a phased approach. BEDC is not in a hurry on this process. Cascade is coming near the end of phase 1 which is essentially collection of some baseline information and background. Phase one does not include any consultation or engagement. Cascade understands the role that RSTBC and MFLNR play in managing public recreation and public lands but at this point the BEDC is meeting with just its working group to decide if they want to move forward with future stages of the planning process.

Hope this helps.

TT

Tennessee Trent - Manager, Trails

Recreation Sites and Trails BC

Sea to Sky Office

101-42000 Loggers Lane

Squamish, BC

V8B 0H3

604.898.2194 office

tennessee.trent@gov.bc.ca

RE: RDOS Meeting

Wednesday, April 17, 2019

2:29 PM

Subject	RE: RDOS Meeting
From	Hawkings, John FLNR:EX
To	'Alix Pierce-Douglas'
Sent	Friday, November 25, 2011 10:42 AM

Hi Alix,

Sorry for not getting back to you sooner-run away week. There are still a few balls in the air and our plans for resolution of the KVR conflict over a pilot area may or may not fit with the RDOS plan (in other words, the pilot area has not been committed to and there is a possibility it will not be in the RDOS).

I am in Prince George the beginning of next week but back in the office on Thursday if you want to discuss further.

Thanks,
John

From: Alix Pierce-Douglas [<mailto:apiercedouglas@cerg.ca>]

Sent: Monday, November 21, 2011 11:30 AM

To: Hawkings, John FLNR:EX

Subject: RDOS Meeting

Hi John,

Good to see you in Penticton last week. You mentioned that you wanted to get together to discuss how your plans fit with the RDOS Master Plan process. Are you around this week? Do you have a day and time in mind?

Cheers,
Alix

ALIX PIERCE DOUGLAS | B.A. | M.B.A. | General Manager
Cascade Environmental Resource Group Ltd.
Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1
TEL: 604 938-1949 | FAX: 604 938-1247 | CELL: 604 938-1247
WHISTLER/SQUAMISH, BC | SAN DIEGO, CA | WHITEHORSE YT
apiercedouglas@cerg.ca | www.cascade-environmental.ca/

RE: Signage Strategy.

Wednesday, April 17, 2019

2:30 PM

Subject	RE: Signage Strategy.
From	Hawkings, John NRO:EX
To	'Kendrick Benson'
Sent	Monday, November 22, 2010 10:49 AM

Hi Kendrick,

Sorry for the late (or no response). I opened the file when you sent it last week and really liked what I saw. I had been intending to give it a very close read and get back to you but I am scrambling to wrap up projects as snow flies and get ready to head to Banff with Dave and Co. I will bring the document with me and certainly find the time to give it a careful review, but as I said I think this is the document.

My efforts to get a new 'logo' for the Spirit of 2010 Trails, turned into a branding effort involving public affairs. I am not going with the 'stick-art' type look I had sent you but something more professional. As a result it is taking a bit longer than I had hoped. But once I have that worked out it will need to be incorporated. For the most part I think it is mostly a matter of adjusting the 'en-route sign'. As well we will want the document to remain dynamic as we add specific standards into the appendices.

We can discuss (with Dave) how best to handle that in terms of updates – whether we do it internally or Cascade etc.

Cheers and thanks for all the work on this. I will touch base s.22

John

From: Kendrick Benson [<mailto:kbenson@cerg.ca>]

Sent: Monday, November 22, 2010 10:18 AM

To: Hawkings, John NRO:EX

Subject: RE: Signage Strategy.

Hi John,

I trust you enjoyed your weekend.

I've attached a slightly refined version of the Adobe PDF version of the Signage Strategy.

The only change is that the map now does not contain an expired date as the previous version did.

The change is on page 11.

This change has no impact on the previously provided MS Word DOC file.

Please let me know if there are other minor changes or additions you'd like to make to the document.

I'd like to assume that silence is a sign of approval and I'd be even more comfortable if you can confirm that you now have what you need.

Thanks again,

KENDRICK BENSON | A.D.Eng (Civil) | Resource Associate & Recreation Planner
Cascade Environmental Resource Group Ltd.
Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1
TEL: 604 938-1949 | FAX: 604 938-1247 | CELL: ☎ ☎
WHISTLER/SQUAMISH, BC | SAN DIEGO, CA | WHITEHORSE YT
kbenson@cerg.ca | www.cascade-environmental.ca/

From: Kendrick Benson
Sent: Wednesday, November 10, 2010 5:36 PM
To: 'Hawkings, John TCA:EX'
Subject: Signage Strategy.

Hi John,

I've been back through every section of the Strategy again to make sure every detail has been addressed as thoroughly as possible.

There are two departures from your suggested changes.

My suggestions are:

- Section 4.0 Steel vertical interpretive AND Timber vertical interpretive are separately retained to illustrate the differences in cost and maintenance between the two designs. They are grouped together as 'the same' option later in the document.
- Section 5.9.4 Notes added to allow advanced crossing warning signs to be added as an option on public roads expected to see heavy traffic.

I have attached an Adobe PDF version in this email and will follow with another email containing the MS Word DOC file.

This should see the end of our project.

Let me know if there are minor tweaks or additions you'd like to see in the final, final version.

Regards,

KENDRICK BENSON | A.D.Eng (Civil) | Resource Associate & Recreation Planner
Cascade Environmental Resource Group Ltd.
Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1
TEL: 604 938-1949 | FAX: 604 938-1247 | CELL: 604 938-1247
WHISTLER/SQUAMISH, BC | SAN DIEGO, CA | WHITEHORSE YT
kbenson@cerg.ca | www.cascade-environmental.ca/

RE: Signage Strategy

Wednesday, April 17, 2019

2:30 PM

Subject	RE: Signage Strategy
From	Hawkings, John TCA:EX
To	'Kendrick Benson'
Sent	Thursday, October 28, 2010 10:07 AM

Hi Kendrick,

One quick clarification – public and private crossings do not have a warning pictogram prior to the stop and yield signs respectively.

Thanks,
John

From: Kendrick Benson [<mailto:kbenson@cerg.ca>]

Sent: Thursday, October 28, 2010 8:46 AM

To: Hawkings, John TCA:EX

Subject: RE: Signage Strategy

Hi John,

Thanks for getting that info back to me.

I can see how you would have been pushing file size limits with the content.

I've had a quick scan through the content and I don't see any issues incorporating the detail in the final strategy.

It would be great to see it all stitched up so I'll get something back to you in the next couple of days.

Regards,

KENDRICK BENSON | A.D.Eng (Civil) | Resource Associate & Recreation Planner
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kbenson@cerg.ca | www.cascade-environmental.ca/

From: Hawkings, John TCA:EX [<mailto:John.Hawkings@gov.bc.ca>]

Sent: Wednesday, October 27, 2010 6:26 PM

To: Kendrick Benson

Subject: RE: Signage Strategy

Hi Kendrick,

I apologize for the length of time it has taken me to get this feedback to you. I started putting stuff in an e-mail and it became easier to put it into a word document with a number of Pictures. I had to pdf it to get it down to a sendable size I have attached some feedback which works through the document from front to back. I don't think anything is too major, but wanting to make sure that we are focusing a bit more on what is already out there, even where we are presenting general design criteria. If you could make these changes and then with one last final review we will be able to wrap up this project. I think you have most of these photos and pictures. If you do not, please let me know which ones and I will send them.

Feel free to give me a call if you want any clarification.

Cheers,

John

From: Kendrick Benson [<mailto:kbenson@cerg.ca>]
Sent: Friday, October 15, 2010 6:06 PM
To: Hawkings, John TCA:EX
Subject: Signage Strategy

Hi John,

I've attached the full document of the Signage Strategy in PDF format.
I'd anticipate example photos and any extra appendices being affixed to the end of the document.
I'll take your guidance on what that should include.

Let me know if you'd like the core document in word for editing or adding notes.
I'll be in touch next week.

Enjoy your weekend.

Regards,

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WHISTLER/SQUAMISH, BC | SAN DIEGO, CA | WHITEHORSE YT
kbenson@cerg.ca | www.cascade-environmental.ca/

RE: Signage Strategy

Wednesday, April 17, 2019
2:30 PM

Subject	RE: Signage Strategy
From	Hawkings, John TCA:EX
To	'Kendrick Benson'
Sent	Wednesday, October 27, 2010 6:25 PM
Attachments	 Cascade signage fe...

Hi Kendrick,

I apologize for the length of time it has taken me to get this feedback to you. I started putting stuff in an e-mail and it became easier to put it into a word document with a number of Pictures. I had to pdf it to get it down to a sendable size I have attached some feedback which works through the document from front to back. I don't think anything is too major , but wanting to make sure that we are focusing a bit more on what is already out there, even where we are presenting general design criteria. If you could make these changes and then with one last final review we will be able to wrap up this project. I think you have most of these photos and pictures. If you do not, please let me know which ones and I will send them.

Feel free to give me a call if you want any clarification.

Cheers,

John

From: Kendrick Benson [<mailto:kbenson@cerg.ca>]

Sent: Friday, October 15, 2010 6:06 PM

To: Hawkings, John TCA:EX

Subject: Signage Strategy

Hi John,

I've attached the full document of the Signage Strategy in PDF format.

I'd anticipate example photos and any extra appendices being affixed to the end of the document.

I'll take your guidance on what that should include.

Let me know if you'd like the core document in word for editing or adding notes.

I'll be in touch next week.

Enjoy your weekend.

Regards,

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WHISTLER/SQUAMISH, BC SAN DIEGO, CA WHITEHORSE YT
kbenson@cerg.ca | www.cascade-environmental.ca/

Signage Strategy for the Spirit of 2010 Trail -Feedback

1. Replace all 'Ministry of Tourism, Culture and the Arts' with 'Ministry of Natural Resource Operations'
2. Can we replace the cover page picture with something unique to the Spirit 2010 Trail Signage, perhaps a nice TCT picture you guys have (with or without a sign). If you don't have anything, perhaps this would work:



Or something like:



3. Section 4.0 –Biophysical/Interp signage: I would like to provide 3 options for interpretive signs 1) angled, double steel posts (picture from left side of page 30-this is steel, not wood) 2) angled, single steel post (picture attached) and 3) vertical timber/steel frame. I do not think we need to include the angled wood frame.
4. Section 4.0 Way finding Signage: I would like to provide 3 options 1) Carsonite rd. side post, 2) square plastic composite post (picture attached) and 3) wood post (so we are eliminating option 3 on Table 2)



5. Section 5.2 – I would like to indicate that major and minor kiosks serve different purposes.

Major Trailhead Kiosks

- Installed at major trails heads, typically with parking for more than 10 vehicles, usually have toilet and picnic table facilities, closer to communities and usually at key entrance points to trails including commencement and termination points.
- Major kiosks provide:
 - Side a: overview map with unique 'you are here', room for local information



- Side b: unique trail location map and Local Interpretive sign specific to the area and space for local information



Minor Trailhead Kiosks

- Installed in more remote trail heads, with less parking, further removed from communities and often at midpoints of trails.
- Minor Kiosks Provide:
 - Side a) unique trail location map
 - Side b) variable information including, interpretation, regulations or related local information



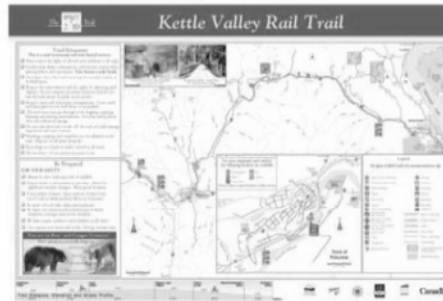
Consider either two separate sections (5.2.1 Major Kiosks and Minor Kiosk 5.2.2) or perhaps dividing the table and respective sections into two columns.

Also, please include pictures of the following 3 signs (pdf's attached), extensive descriptions are not necessary just simply good examples:

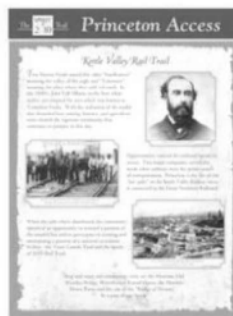
1. Overview Map



2. Unique Location Map



3. Unique Historic Sign



6. Section 5.3 –Biophysical: please provide example of 1) angled frame, double legs and 2) angle frame, single legs (both metal)... so essentially replace the sign on the right on page 30 with the single post picture attached.
7. Section 5.7 Warning and Safety Signage – we have a well developed warning and safety signage standard that should be incorporated instead of the examples provided. The description of elements should match these examples (i.e. written caution sign below pictogram or in some cases just the caution sign; yellow and black for specific hazards, option to use less conspicuous white for general warnings etc)As we discussed there should be specific mention of road crossings. I thought I had sent the pictures previously.





8. As we discussed previously, I would like to add a section specifically on crossings (probably 5.8 or a component of 5.7 if you do not want to mess with your TOC). We should identify 3 crossing types:

1. Highway Crossings
 1. Caution sign with pictogram at 50m from junction (100m if snowmobiles approved on trail), 10 x 10 stop sign at 5m from junction



2. Public Road Crossings

Crossing pictogram at 30m from junction (up to 100m if snowmobiles approved on trail), 10 x 10 stop sign at 3-5m from junction
3. Private Crossings
 1. Crossing pictogram at 20m from junction, 10x 10 (smaller than standard 12x12) yield sign at 3-5m from junction.

These are pretty straightforward and we do not need a lot of supporting information, just a brief description of what is needed at each one i.e. warning sign and stop sign at each side of the highway crossing and public road crossing

and warning sign and yield sign at each private crossing. Note that at highway crossings we need the pictogram and written caution sign, at public (non-highway) crossings and private crossings, we just need the crossing pictogram.

We are going to populate the appendix with design specifications for both structures (kiosks and interp sign boards) and individual signs. This will be a dynamic appendix that will change as new signs are designed etc.

Re: Signage Strategy

Wednesday, April 17, 2019

2:31 PM

Subject	Re: Signage Strategy
From	Hawkings, John TCA:EX
To	'kbenson@cerg.ca'
Sent	Thursday, October 21, 2010 8:10 AM

Thanks Kendrick

I have set aside time to review this afternoon and will get back to you shortly.

John

From: Kendrick Benson [<mailto:kbenson@cerg.ca>]

Sent: Friday, October 15, 2010 06:06 PM

To: Hawkings, John TCA:EX

Subject: Signage Strategy

Hi John,

I've attached the full document of the Signage Strategy in PDF format.

I'd anticipate example photos and any extra appendices being affixed to the end of the document.

I'll take your guidance on what that should include.

Let me know if you'd like the core document in word for editing or adding notes.

I'll be in touch next week.

Enjoy your weekend.

Regards,

KENDRICK BENSON | A.D.Eng (Civil) | Resource Associate & Recreation Planner
Cascade Environmental Resource Group Ltd.
Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1
TEL: 604 938-1949 | FAX: 604 938-1247 | CELL: ☎ ☎ ☎
WHISTLER/SQUAMISH, BC SAN DIEGO, CA WHITEHORSE YT
kbenson@cerg.ca | www.cascade-environmental.ca/

RE: Signage Strategy

Wednesday, April 17, 2019

2:31 PM

Subject	RE: Signage Strategy
From	Hawkings, John TCA:EX
To	'Kendrick Benson'
Sent	Wednesday, October 13, 2010 3:36 PM

I am available anytime this afternoon or tomorrow morning.

John

From: Kendrick Benson [<mailto:kbenson@cerg.ca>]

Sent: Wednesday, October 13, 2010 12:23 PM

To: Hawkings, John TCA:EX

Subject: RE: Signage Strategy

Hi John,

I think I'm involved with a teleconference for Trans Canada Trail around that time.

I should be able to speak with you later in the day.

Regards,

KENDRICK BENSON | A.D.Eng (Civil) | Resource Associate & Recreation Planner
Cascade Environmental Resource Group Ltd.
Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1
TEL: 604 938-1949 | FAX: 604 938-1247 | CELL: 604 938-1247
WHISTLER/SQUAMISH, BC | SAN DIEGO, CA | WHITEHORSE YT
kbenson@cerg.ca | www.cascade-environmental.ca/

From: Hawkings, John TCA:EX [<mailto:John.Hawkings@gov.bc.ca>]

Sent: Tuesday, October 12, 2010 4:36 PM

To: Kendrick Benson

Subject: RE: Signage Strategy

Kendrick,

Do you have time to discuss tomorrow. I am available after 2:30pm.

John

From: Kendrick Benson [<mailto:kbenson@cerg.ca>]

Sent: Friday, October 1, 2010 4:48 PM

To: Hawkings, John TCA:EX

Subject: RE: Signage Strategy

Thanks John,

Enjoy your weekend.

I will speak to you Monday,

KENDRICK BENSON | A.D.Eng (Civil) | Resource Associate & Recreation Planner
Cascade Environmental Resource Group Ltd.
Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1
TEL: 604 938-1949 | FAX: 604 938-1247 | CELL: 604 938-1247
WHISTLER/SQUAMISH, BC | SAN DIEGO, CA | WHITEHORSE YT
kbenson@cerg.ca | www.cascade-environmental.ca/

From: Hawkings, John TCA:EX [<mailto:John.Hawkings@gov.bc.ca>]
Sent: Friday, October 01, 2010 2:55 PM
To: Kendrick Benson
Subject: RE: Signage Strategy

Hi Kendrick,

Thanks for passing this on. I have been a bit overwhelmed with a number of other related projects and have not had time to give this a lot of consideration. I will review carefully this weekend and perhaps we can discuss this on Monday.

Have a great weekend,

John

From: Kendrick Benson [<mailto:kbenson@cerq.ca>]
Sent: Thursday, September 30, 2010 6:53 PM
To: Hawkings, John TCA:EX
Subject: Signage Strategy

Hi John,

I hope you've been well.

I've attached my next take on the Signage Strategy for the Spirit of 2010 Trail. It is a capture of each part but is not the full strategy as the appendices etc. were making the file huge.

I'll try to call so we can talk through the final detail needed to finish it.

Regards,

KENDRICK BENSON | A.D.Eng (Civil) | Resource Associate & Recreation Planner
Cascade Environmental Resource Group Ltd.
Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1
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kbenson@cerq.ca | www.cascade-environmental.ca/

RE: Spirit 2010 trail - Signage Strategy

Wednesday, April 17, 2019

2:33 PM

Subject	RE: Spirit 2010 trail - Signage Strategy
From	Hawkings, John TCA:EX
To	'Kendrick Benson'
Sent	Wednesday, August 25, 2010 3:10 PM

Any chance you can make your way down to Squamish tomorrow?

John

From: Kendrick Benson [<mailto:kbenson@cerg.ca>]

Sent: Wednesday, August 25, 2010 12:41 PM

To: Hawkings, John TCA:EX

Subject: RE: Spirit 2010 trail - Signage Strategy

Hi John,

It would be great to meet soon and keep the momentum of the Signage Strategy development.

I am hoping to have a draft available for you by the end of today.

Ideally, this would give you a chance to review the document before we meet.

I am available Thursday after 11am and most of Friday.

s.22

it would be great to meet this week if possible.

Please let me know the timing that could suit you.

Thanks,

KENDRICK BENSON | A.D.Eng (Civil) | Resource Associate
Cascade Environmental Resource Group Ltd.
Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1
TEL: 604 938-1949 | FAX: 604 938-1247
WHISTLER/SQUAMISH, BC SAN DIEGO, CA WHITEHORSE YT
kbenson@cerg.ca | www.cascade-environmental.ca/

From: Hawkings, John TCA:EX [<mailto:John.Hawkings@gov.bc.ca>]

Sent: August 24, 2010 8:20 AM

To: Kendrick Benson

Subject: RE: Spirit 2010 trail - Signage Strategy

Kendrick,

Should we meet some time this week, possibly Thursday to review and make sure you guys have all the information you need and that is currently available?

John

From: Kendrick Benson [<mailto:kbenson@cerg.ca>]

Sent: Monday, August 23, 2010 3:24 PM

To: Hawkings, John TCA:EX

Subject: RE: Spirit 2010 trail - Signage Strategy

Thanks John,

That all seems fine to me.

I look forward to seeing the digital specifications early September.

It's great to hear that you are pursuing the artwork identity already.
There should be no problem amending the imagery once the new artwork is ready.

Regards,

KENDRICK BENSON | A.D.Eng (Civil) | Resource Associate
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kbenson@cerg.ca | www.cascade-environmental.ca/

From: Hawkings, John TCA:EX [<mailto:John.Hawkings@gov.bc.ca>]
Sent: August 19, 2010 9:22 AM
To: Kendrick Benson
Subject: RE: Spirit 2010 trail - Signage Strategy

Hi Kendrick,

Sorry for the late reply.

I have requested artwork and a design concept for the wayfinding markers. The current signage you have attached looks good, assuming we can 'plug-in' the artwork once it is available.

In terms of Interpretive signage, let's use the existing signage (attached) as the basic. We specify size, header color etc. and leave content to be developed as signage is created. Essentially we are specifying a shell. Give me a call if that does not make sense.

I will have digital files of all the interpretive signs, maps and kiosk signs after August 31. I am getting them on diskette from a meeting in Victoria. I will be able to provide them then.

Thanks,
John

From: Kendrick Benson [<mailto:kbenson@cerg.ca>]
Sent: Wednesday, August 11, 2010 3:57 PM
To: Hawkings, John TCA:EX
Cc: Daniel McDonald
Subject: RE: Spirit 2010 trail - Signage Strategy

Hi John,

I'd like to take back the email below and withdraw the request because I've found the pictogram images already in the Fire Service set and the Snowmobile set that I think you provided previously. There's no need to send any more pictogram logo images, thanks.

It would be great to know what direction you're taking with the way-finding "Rails to Trails" artwork. The specification for the interpretive sign would also be good to get.

I've attached two files for your perusal.

One is the detailed sketch for the way-finding post with updated design and layout of sign plates. The other is a 100% 1:1 scale print of the sign for printing as a preview sample of how the sign would look on site once installed.

Please let me know when you have any queries or comments.

Thanks again,

KENDRICK BENSON | A.D.Eng (Civil) | Resource Associate
Cascade Environmental Resource Group Ltd.

From: Kendrick Benson
Sent: August 9, 2010 4:37 PM
To: 'John.Hawkings@gov.bc.ca'
Cc: Daniel McDonald
Subject: Spirit 2010 trail - Signage Strategy

Hi John,

s.22

We're putting some more detail into the legibility definition in the Signage Strategy.
Could you please send us the standard pictograms, expected for use on regulatory and way finding signage?

I'm anticipating regulatory pictograms to include:

- Hiker
- Bicycle
- Equestrian
- Motorcycle – off-road
- Motorcycle – on-road
- Snowmobile
- Motor-vehicle
- All terrain vehicle
- Cross-country skier
- Fires
- Smoking / cigarette
- Camping
- Dog / pets

I'd expect the way finding pictograms could include:

- Information centre
- Royal Canadian Mounted Police
- Hospital
- Phone
- Accommodation
- Camping
- Scenic attraction / lookout
- Historic / heritage attraction
- Washroom / bathroom / toilet
- Drinking water
- Airport
- Railway station
- Bus service
- Ferry wharf

I've attached some examples of these for your reference.

This imagery would ideally be in graphic design format such as *.eps but other image formats, such as *.bmp would also be fine.

Thanks,

KENDRICK BENSON | A.D.Eng (Civil) | Resource Associate
Cascade Environmental Resource Group Ltd.
Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1
TEL: 604 938-1949 | FAX: 604 938-1247
WHISTLER/SQUAMISH, BC SAN DIEGO, CA WHITEHORSE YT

RE: spirit 2010

Wednesday, April 17, 2019

2:34 PM

Subject	RE: spirit 2010
From	Hawkings, John TCA:EX
To	'Daniel McDonald'
Sent	Thursday, August 5, 2010 11:03 AM

OK. I will be at your office at 9am.

John

From: Daniel McDonald [<mailto:dmcDonald@cerg.ca>]

Sent: Thursday, August 5, 2010 11:00 AM

To: Hawkings, John TCA:EX

Subject: RE: spirit 2010

Yes, tomorrow 9am?

DAN MCDONALD | M.E.M. | Q.E.P. | Resource Planner
Cascade Environmental Resource Group Ltd.
Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1
TEL: 604 938-1949 | FAX: 604 938-1247 | CELL: s.22
WHISTLER/SQUAMISH, BC SAN DIEGO, CA WHITEHORSE YT
dmcDonald@cerg.ca | www.cascade-environmental.ca/

From: Hawkings, John TCA:EX [<mailto:John.Hawkings@gov.bc.ca>]

Sent: August 5, 2010 10:54 AM

To: Daniel McDonald

Subject: RE: spirit 2010

s.22

Any chance of first thing in the morning tomorrow?

JH

From: Daniel McDonald [<mailto:dmcDonald@cerg.ca>]

Sent: Thursday, August 5, 2010 10:33 AM

To: Hawkings, John TCA:EX

Subject: RE: spirit 2010

Any time available next week for you to come up? s.22

s.22

Thanks

d

DAN MCDONALD | M.E.M. | Q.E.P. | Resource Planner
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dmcDonald@cerg.ca | www.cascade-environmental.ca/

From: Hawkings, John TCA:EX [<mailto:John.Hawkings@gov.bc.ca>]

Sent: August 5, 2010 10:22 AM

To: Daniel McDonald

Subject: RE: spirit 2010

Dan, I have a pretty full day tomorrow. Are you guys able to come down?

John

From: Daniel McDonald [<mailto:dmcdonald@cerg.ca>]
Sent: Wednesday, August 4, 2010 12:55 PM
To: Hawkings, John TCA:EX
Cc: Dave Williamson; kbenson@cerg.ca
Subject: spirit 2010

Hi John

s.22

Would you be able to come to whistler this Friday afternoon Aug 6th to discuss project progress?
Anytime after 1:30 pm.

Thanks
d

DAN MCDONALD | M.E.M. | Q.E.P. | Resource Planner
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dmcdonald@cerg.ca | www.cascade-environmental.ca/

RE: TCT OHV Strategy

Wednesday, April 17, 2019

2:28 PM

Subject	RE: TCT OHV Strategy
From	Hawkings, John FLNR:EX
To	'Dave Williamson'
Sent	Thursday, October 30, 2014 8:52 AM

Wow! Perhaps once that one is in the bag, eliminating global poverty is next. ☺ I am happy to be involved, as you know I have been working on this for 7 years. I should bring you up to speed on our *Revised Strategic Approach to Managing Rail Trails*, announced a couple of months ago (and likely the catalyst for this project). I have a full schedule this week and am in Victoria until Thursday next week. I would have to fit it in some time tomorrow or it will probably be next Friday morning.

s.22

John

From: Dave Williamson [<mailto:dwilliamson@cerg.ca>]

Sent: Wednesday, October 29, 2014 5:38 PM

To: Hawkings, John FLNR:EX

Subject: TCT OHV Strategy

Aloha John,

We were just awarded a contract to develop a strategy for the TCT on our favourite topic, ATVs. I would like to pick your brain on the subject and possibly recruit you to participate from your role with the province. Have you got time to chat over the next few days?

Mahalo,

DAVE WILLIAMSON | B.E.S. | Q.E.P. | Principal

Cascade Environmental Resource Group Ltd.

WORKING REMOTELY FROM: Princeville Nalu House <http://www.kauai-vacation-rentals.com/kauai-estate/princeville-nalu-house-2/>

5112 Kapiolani Loop | Princeville | Kauai, HI | U.S.A | 96722

KAUAI TEL: 808 826-9075 | SKYPE: dave.williamson1957 | CELL: s.22

WHISTLER TEL: 604 938-1949 | FAX: 604 938-1247

WHISTLER/SQUAMISH, BC

dwilliamson@cerg.ca | www.cascade-environmental.ca/

Call to Mike Walsh

April 24, 2018

re: 2690 Winfred complaint re: slump
and ground water

- Mike will do field inspection of KVR trail this week
- Look at ditch installed by residents

Call w Tim Gheidan

April 25, 2018

- 149m uplift to FENZ budget

Dave

April 26, 2018

RDRB trails master plan phase II

- focused on Western Electoral areas








↳ Grand forks - Christina Lake

- all trails, all users

Tulameen/Princeton ATV Bypass

Wednesday, April 17, 2019

2:28 PM

Subject	Tulameen/Princeton ATV Bypass
From	Todd Hellinga
To	Trent, Tennessee FLNR:EX
Cc	Hawkings, John FLNR:EX; Alix Pierce-Douglas; Kelley Cook
Sent	Monday, February 6, 2012 9:38 AM
Attachments	<div> ChinaRidge_ ATVbypass</div> <div> ChinaRidge_ ATVbypass</div> <div> ChinaRidge_ ATVbypass</div> <div> ChinaRidge_ ATVbypass</div> <div> ChinaRidge_ ATVbypass</div> <div> ChinaRidge_ ATVbypass...</div> <div> ChinaRidge_ ATVbypass</div>

Tennessee,

Here's what I've extracted based on the data that was provided by Kelley. On the Tulameen/Coalmont end it's a bit messy as I've included a couple of the routes up into the bypass. If you have any questions please feel free to fire them my way!

Regards,
Todd

Todd Hellinga | B.Sc. | GIS-AS
GIS Analyst
Cascade Environmental Resource Group Ltd.

Whistler and Squamish, BC | Whitehorse, YT | San Diego, CA
Unit 3 - 1005 Alpha Lake Road | Whistler | BC | Canada | V0N 1B1
TEL: 604 938-1949 | FAX: 604 938-1247
thellinga@cerq.ca | www.cascade-environmental.ca

Call to Mike Walsh

April 24, 2018

re: 2010 Winfred complaint re: slump
and ground water

- Mike will do field inspection of KUZ trail
this week
- Look at ditch installed by residents

Call to Tim Sheldon

April 25, 2018

- 149m uplift to FNR budget

DWC

April 26, 2018

RDR's trail master plan phase II

- focused on Western Electoral areas
 - ↳ Grand Forks - Christina Lake
- all trails, all users